TELEPHONE 1852 NUMBER

THE CHEMIST AND DRUGGIST

TELEGRAPHIC ADDRESS CHEMICUS LONDON.

HIEF OFFICE, LONDON: 2 CANNON ST. R.C.

Branch Offices: MELBOURNE and SYDNEY.

ESTABLISHED IN

ENGLAND ... 1859. AUSTRALASIA ... 1885.

Registered as a Newspaper. [*Registered for Foreign Transmission*

Prix de l'abonnement:—The Chemiet and Drnggist une fois par semaine, et l'agenda du Chemiet and Druggist une fois par an, 12.50 francs par an, franco.

Abonnementspreis:—The Chemiet and Druggist einmal wöchentlich, und Notizkalender dee Chemiet and Druggiet einmal im Jahre, 10 Mark jährlich, frei in's Haus geliefert

Precio de snecricion:—The Chemiet ano Drnggist, una vez por eemana, y el Agenda del Chemist and Drnggiet una vez al año, 12.50 pesetas anuales franco.

No. 769. Vol. XLVI. JANUARY 12, 1895.

Subecription, 10e. per Annum, including Diary, Post Free the World over. Single Copies, 4d. each, Post Free.

ZYMINISED MEAT & MILK SUPPOSITORIES FOR RECTAL ALIMENTATION.

Physiologists are unanimous in condemning gelatine as a basis for peptone suppositories, for this mixture is one of the best culture-media for bacteria, therefore we have prepared these Suppositories with pure peptones and cacao butter; they are easily introduced, perfectly absorbed, never cause intolerance, and are perfectly sterile.

The ZYMINISED MEAT SUPPOSITORIES were thoroughly tested clinically by Dr. Barlow in cases after surgical operations, gastric ulcer, or when from any reason it was found desirable to rest the stomach; in every case the suppository was perfectly absorbed and afforded excellent results.

Mr. Bowreman Jesseit (*The Lancet*, October 24, 1891) records the successful operation of combined pylorectomy and gastro-enterostomy when the patient was fed with *Zyminised Meat Suppositories.*

Zyminised Meat and Zyminised Milk Suppositories are supplied to the Trade in boxes of one dozen at 22/- per dozen.

BURROUGHS, WELLCOME & CO., Manufacturing Chemists.
LONDON—SNOW HILL BUILDINGS.
Cable and Telegraphic Address—"BURCOME LONDON."

Allen & Hanburys Ltd.

Are now offering the following Winter requirements, and will be happy to furnish samples and prices by return of post. Members of the Trade who are now making new contracts, or buying for Winter Stock, are invited to write to ALLEN & HANBURYS before placing their orders.

Cod-Liver Oil.

The finest Norwegian Oil, manufactured at Allen & Hanburys' own factories at Longva and Kjerstad, Norway.

This Oil can be had in 25-gallon barrels as imported, in ½-gallon bottles, or put up in bottles of any size, and supplied with or without labels and cartons.

Malt and Oil.

Both ingredients are of Allen & Hanburys' own manufacture, and in perfect combination.

The superiority of Allen & Hanburys' Malt Extract is vouchsafed in the valuable testimony of the leading Medical Journals, whilst the very large and constantly increasing demand is gratifying evidence that the care bestowed upon its manufacture is appreciated.

Malt and Oil can be had in any quantity and in wide-mouthed amber bottles, with or without labels.

Both of the above may be so labelled that Customers may adopt them as their own Specialities.

Jujubes and Pastilles.

Of agreeable flavours, made in any colour or shape. Any Speciality made exclusively if a quantity of not less than 56 lbs. be ordered at a time.

Superior upright Showcases. Frames fitted with glass shelves, silvered glass backs, and lettered in gold.

Price and further particulars, also new and handsome Show Cards, on application.

Allen & Hanburys, Ltd. Plough Court, Lombard Street, London.

Laboratories & Warehouse: BETHNAL GREEN, LONDON, E. *West End Branch:* VERE ST., CAVENDISH SQUARE, W.
Cod Liver Oil Factories: LONGVA & KJERSTAD, NORWAY. *Australian Agency:* 484, COLLINS ST., MELBOURNE.

Exchange Column, p. 22. Advertisers' and Buyers' Reference List and Index to Advertisements, pp. 15-

MAY & BAKER, LTD.

GARDEN WHARF, BATTERSEA, S.W.

Telegraphic Address—"BISMUTH LONDON."
A B C Code Used.

ESTABLISHED
OVER 60 YEARS.

Telephone No. 9003

MERCURIALS.

CAMPHOR

BELLS, TRANSPARENT TABLETS, AND FLOWERS.

ETHER ACETIC.

ETHER BUTYRIC.

ETHERS, Rectified and Methylated, of all Strengths.

AMYL ACETATE. AMYL BUTYRATE.

PROPYLIC, ISOBUTYLIC, AND AMYLIC ALCOHOLS.

SPECIAL PRICES & SAMPLES ON APPLICATION.

FLOWER EXTRACTS
AND
POMADES.

TRIPLE DISTILLED
ORANGE AND ROSE
WATERS.

ORRIS ROOT
CIVET, MUSK
TONQUIN BEANS
AMBERGRIS
OTTO DE ROSE
VANILLAS
FLOWER OTTOS

ARTIFICIAL
PERFUMES
VANILLINE
COUMARIN
NEROLIN
LILAC, &c.

FINEST SOLUBLE
ESSENCES
OF LEMON, GINGER,
GINGER ALE (BELFAST),
ORANGE CHAMPAGNE,
KOLA CHAMPAGNE,
AND SEVERAL HUNDRED OTHERS.

PURE
CONCENTRATED
FRUIT ESSENCES
OF THE FINEST QUALITY
AND
HIGHEST DEGREE OF
CONCENTRATION.

STEVENSON
&
HOWELL'S
SPECIALITIES.

ALL MATERIALS
FOR
HIGH-CLASS
PERFUMERY

ESSENTIAL OILS
OF GUARANTEED PURITY

PURE ESSENCES
OF EVERY DESCRIPTION
SAMPLES, QUOTATIONS, AND FULLEST DIRECTIONS
FOR USE UPON APPLICATION.

ESSENTIAL OILS
OF GUARANTEED PURITY
AND
EXCEPTIONAL QUALITY.

ALMONDS
ANISEED
BERGAMOT
CARAWAY
CHAMOMILE
CARDAMOMS
CASCARILLA
CASSIA
CEDAR-WOOD
CINNAMON
CITRONELLA
CLOVES
CORIANDER
CUBEBS
EUCALYPTUS GLOBULUS
GERANIUM
GINGER
HOPS
JUNIPER
LAVENDER
LEMON
LIMES
NEROLI
NUTMEGS
ORANGE, SWEET
ORANGE, BITTER
OTTO OF ROSE
PATCHOULI
PEPPERMINT
PETIT-GRAIN
PIMENTO
ROSEMARY
SANDAL WOOD
SASSAFRAS
SPEARMINT
TANGERINE
THYME
WINTERGREEN
YLANG-YLANG
&c. &c. &c. &c.

STANDARD WORKS, 95A SOUTHWARK ST., LONDON, S.E.
AND 128 HOPE STREET, GLASGOW.

SCOTT'S EMULSION

OF

Cod Liver Oil with Hypophosphites of Lime and Soda has for twenty years been endorsed and prescribed by Physicians in all parts of the world.

It contains 50 % of the best Norwegian

REGISTERED TRADE MARK.

Cod Liver Oil, 6 grains of Lime and 3 grains of Soda to each fluid ounce, and is the most Perfect, Permanent, Palatable Emulsion in the market.

Keeps well in all climates.

SCOTT & BOWNE, Ltd., 47 Farringdon Street, London, E.C.

BEESWAX.

TRADE **W. H. B.** MARK.

BRAND.

Stamped upon each cake of both **YELLOW and WHITE.**

Is guaranteed to be strictly PURE BEESWAX.

W. H. BOWDLEAR & CO.

Cable Address— "BOWDLEAR BOSTON." **CENTRAL WHARF, BOSTON, MASS., U.S.A.**

THE NEW PERMANENT

ENGRAVED WINDOW TABLETS,

PRIZE MEDAL, International Health Exhibition, 1884.

IN RUBY, BLUE, AMBER, AND OPAL GLASS.

AWARD OF MERIT, International Sanitary Exhibition, 1881.

Send particulars of size, subject matter, and colour, when price for one Tablet and upwards will be sent.

For Proprietary Articles, 100 8 × 6 Ruby Tablets, £3 15s. 0d.

J. R. CORSAN, THE LONDON SAND-BLAST WORKS, **58A GRAY'S INN ROAD, W.C.**

TO PREVENT FRAUD, DEMAND BUSINESS CARD FROM TRAVELLERS.

Telegraphic Address—"IODINE LONDON." Telephone No. 4970.

AWARDS—LONDON, 1881; VIENNA, 1883; CALCUTTA, 1884; CHICAGO, 1893.

H. E. Stevenson & Co.

130 Southwark St.

Successors to the General Export Business of Fletcher, Fletcher & Stevenson.

LONDON, S.E.

SPECIAL QUOTATIONS WILL BE GIVEN FOR THE FOLLOWING—

Carbolic Acid, Cryst. and Liquid.
Sulphuric Acid, Concentrated.
Cyanide of Potassium, 30 % to 99 %.
Extracts (solid and liquid).
Strychnine, Purest.
Ammonia, Anhydrous.
" Liquid.
Ether for Ice Factories.
Beechwood Creasote.
Eucalyptus Oil.
Saffron, finest Valencia.
Citrate of Iron & Quinine, P.B.

Liquor Ætheris Nit., 1 to 7.
Quinine Salts.
Spirit Ætheris Nit., P.B.
" Ammon. Aromat., P.B.
Essence of Lemon.
Essential Oils.
Morphia Salts.
Cod Liver Oil.
Oil of Almonds (Essential).
Drugs at Market Rates.
Pepsine (Porci, etc.).
Glycerine, purest, 1·260.

CHAULMOOGRA OIL.

NORTH OF ENGLAND SCHOOL OF CHEMISTRY AND PHARMACY,

55 Northumberland Street

(*Opposite Mr. Bolam's Pharmacy*),

NEWCASTLE-ON-TYNE.

National Telephone, 1603. | National Telephone, 6531.

DAY AND EVENING CLASSES FOR MAJOR, MINOR, MODIFIED, AND FIRST EXAMINATIONS.

Principal—GEORGE F. MERSON,

Pharmaceutical Chemist

(First Major Pass under Extended and Advanced Syllabus, January, 1892).

This School is central, commodious, well appointed, and up to date in every department. Students trained in it invariably make a good appearance in their examinations. *Vide* PASS LIST.

New Prospectus now ready, and will be forwarded post free on application.

THE

STRAND COLLEGE OF CHEMISTRY AND PHARMACY,

Howard House, Arundel Street, Strand, London, W.C.

Principal—DR. RICHARD.

This College has been opened to provide a systematic education and sound training in all the subjects required for the Pharmaceutical Examinations. Before the examiners far more candidates fail in Dispensing and Practical Chemistry than in any other subjects; therefore, special attention will be given to the student in the Laboratory and Dispensary.

To make our establishment known, we offer a Full Course (January to April) Free to students who have not studied previously at another college.

EVENING AND CORRESPONDENCE CLASSES.

The Full Course for the April Examination commenced on January 7th, 1895. For Prospectus and particulars write at once to the Secretary of the College.

THOROUGH TUITION. NO CRAM.

NOW READY, SECOND EDITION, CROWN 8VO, PRICE 5s.

A PRACTICAL MANUAL OF

VENEREAL & GENERATIVE DISEASES:

Including SPERMATORRHŒA, PROSTATORRHŒA, IMPOTENCE, and STERILITY in both Sexes.

By M. K. HARGREAVES, M.D.

Assistant Physician to St. John's Hospital for Diseases of the Skin.

LONDON: R. KIMPTON, 128 WARDOUR STREET, LONDON, W.C.

"CONCILIO ET LABORE."

THE MANCHESTER COLLEGE OF PHARMACY.

225a, 227a Oxford Street, MANCHESTER.

Extract from a letter received January 4, 1895

"The Chairman then called out my name and told me I had done exceedingly well. In concluding, I can only say that I had done all the work previously with you that I had in the exam., so it came easily to me, and that I shall never forget the untiring efforts with which both yourself and your brother assisted and explained matters to me.

"G. A.

"MR. CHARLES TURNER."

NORTHERN COLLEGE OF PHARMACY,

100 BURLINGTON STREET, MANCHESTER.

Principal—Mr. GEO. CLAYTON, PH.C., F.C.S.
Assisted by Mr. F. LAWSON, PH.C.

At the recent Examinations, up to this date (January 8), the following Eleven Gentlemen have passed from the "Northern."

MAJOR (4 entered, 3 passed).

Mr. HOPE, Westhoughton. | Mr. MOORHOUSE, Barnsley.
Mr. PEARCE, Wigan.

MINOR

Mr. BLAYLOCK.	Mr. FELL.	Mr. SHEPHERD.
Mr. BRADDOCK.	Mr. HUBBLE.	Mr. WYATT.
Mr. BUTLER.	Mr. ROBERTS.	

The present Course commenced on January 3.

Prospectus, with full particulars, will be posted on application to the Principal.

METROPOLITAN COLLEGE of PHARMACY.

Principal—W. WATSON WILL, F.C.S.

SPRING SESSION.

The Spring Course of Lectures for the April Examination commenced on January 1, and terminate on April 13. Early application should be made for the remaining few vacancies.

Fees—Major Course, Six Guineas. Minor Course, Ten Guineas.

SPECIAL NOTICE.

Evening Classes for the Major are held on Tuesday and Wednesday evenings from 7 to 10 P.M. (extra evenings can be arranged for practical work). Evening Minor classes are held on Monday, Wednesday, Thursday, and Friday, from 7 to 9 P.M.

Special Prospectuses have been arranged for these Evening Classes which are constructed on the lines of the Day Course.

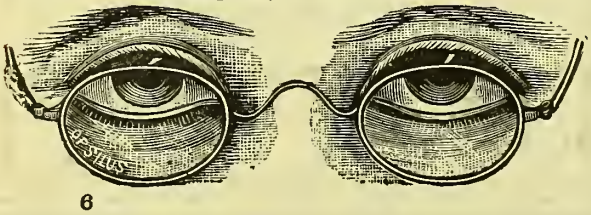
For New Prospectuses and Full Particulars, apply to

W. S. CARVER, Secretary, 162 Kennington Park Road, **LONDON, S.E.**

LONDON HOMŒOPATHIC HOSPITAL AND MEDICAL SCHOOL, GREAT ORMOND STREET, BLOOMSBURY, W.C.

Contains 90 beds, and, being entirely supported by Voluntary Contributions. Donations and Annual Subscriptions are earnestly solicited. The Hospital is always open to the inspection of visitors, and Clinical Instruction is given in the Wards and Out-patient Department to Medical Students and Practitioners. It possesses a valuable Library of Homœopathic Publications, which Medical Men are invited to study. They are also invited to visit the Dispensary. The In-patients number over 700 annually; the Out-patients nearly 9,000 annually. The number of Patients treated since the inauguration in 1849 exceeds 215,000. It has a staff of 42 Nurses for Ward Nursing and Nursing Invalids at their residences G. A. CROSS, *Secretary-Superintendent*

Telegrams—"ASTIGMATIC."



J. RAPHAEL & CO.

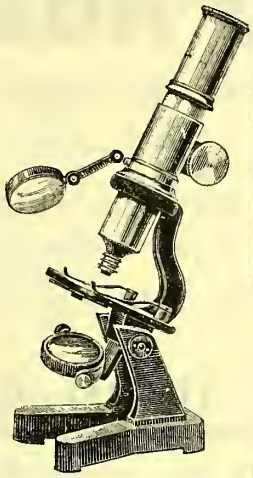
Holders of the largest stock of Spectacles and Folders in every recognised material.

ODD ORDERS AND PRESCRIPTIONS BY RETURN.

13 OXFORD STREET, LONDON, W.

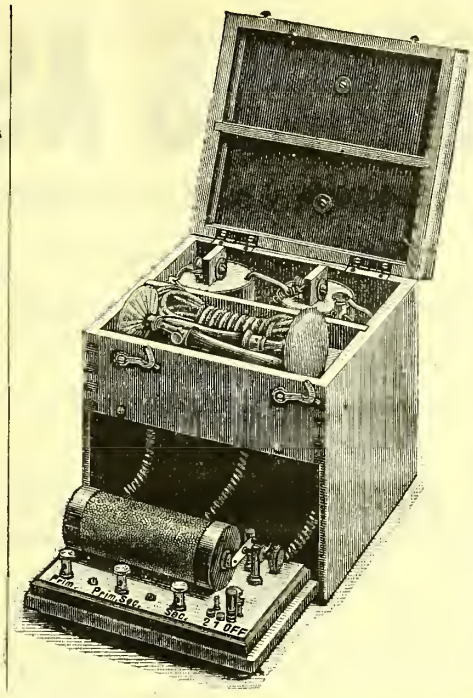
☞ Correspondence cordially invited, and every information most willingly given to assist Chemists who desire to build up this lucrative adjunct.

F. DARTON & CO.'S
GUINEA MICROSCOPE.



The Chemist and Druggist, in their Educational Number of September, 1894, say:—"Much home work in botany should be done with the microscope. A sufficiently good microscope can be got for a guinea from F. Darton & Co."

The magnifying power of this Microscope is 120 diameters; it has rack and pinion adjustment, revolving diaphragm, divisible objective and condenser. The whole is fitted in Mahogany Case. Price 21*s.* net.



THE "UNIVERSAL" MEDICAL COIL AND BATTERY.

This is made in a strong Dovetailed Walnut Case, fitted with two Improved Cells. The Coil can be easily regulated from the weakest to the strongest current. Fitted with Switch arrangement, so that one or two cells can be used at a time.

We recommend this Coil for Chemists who hire these Instruments, as it is always ready for use. No acid used; thoroughly reliable, portable, and clean. Simple and inexpensive. Price 35*s.* net.

CATALOGUES, ON APPLICATION, OF ALL DEPARTMENTS.

F. DARTON & CO., (Makers to H. M. Government) Clerkenwell Optical Works, **142 ST. JOHN STREET, LONDON, E.C.**

ESTABLISHED 1834. Telegraphic Address—"EXCEPTIONAL LONDON."

A. MOLLING & CO.

Artistic Designers & Colour Printers,

PRODUCE THE HIGHEST CLASS

LABELS, SHOWCARDS, POSTERS,

PRICE LISTS, &c.

AT THE **VERY LOWEST** PRICES POSSIBLE.

Ask for Estimates and compare Prices.

THE MOST EXCELLENT WORK GUARANTEED.

A. MOLLING & CO.

66, ALDERSGATE STREET, LONDON, E.C.

CHEMISTS AS AGENTS

BY OUR SYSTEM EFFICIENT OPTICIANS.

THE AUTOMATIC SIGHT-TESTING AND OPTICAL SUPPLY COMPANY (LIMITED), established to supply the Finest Glasses in the World. The Company are appointing Chemists as Agents for the supply of these Celebrated Spectacles and Folders.

CHEMISTS ARE GRANTED A VERY LIBERAL COMMISSION

On our goods, and are also entitled to half the pennies deposited in our Patent Automatic Sight-Testing Machine, which is supplied, carriage paid, to the Agent to enable the Public to readily obtain the number of their power for the glasses.

Our Spectacles and Folders are supplied in sealed envelopes bearing a number on the outside, corresponding to the power of the enclosed glasses; therefore by our system glasses are sold very like Patent Medicines, and it is not absolutely necessary to keep any stock, as orders may be sent to the Company as received by the Agent—Chemists thus being able to conduct the important business of an Optician in the most simple manner possible, without investing any capital in purchasing a stock.

The prescriptions are sent to us by the Agent, to whom we forward the necessary glasses.

Our method when assisting in treating certain diseases of the eyes requiring cylinder glasses is for the Agent to advise a visit to any Medical Man in the neighbourhood who has made a special study of Ophthalmic Surgery.

We are pleased to answer any inquiries, and upon application a form of agreement and more complete information will be forwarded.

CENTRAL ESTABLISHMENT, 65 AND 66 CHANCERY LANE, LONDON, W.C.

ALBERT M. TODD'S

Crystal White Oil PEPPERMINT, ETC.

Five Highest Awards—Medals and Diplomas—World's Columbian Exposition, 1893.

CRYSTAL WHITE, DOUBLE DISTILLED, AND REFINED

PEPPERMINT, SPEARMINT, WORMWOOD, TANSY, &c.

These ESSENTIAL OILS are GUARANTEED ABSOLUTELY PURE, and are UNEQUALLED in SOLUBILITY, FLAVOUR, WHITENESS, and GENERAL EXCELLENCE.

To secure the most complete introduction possible, the prices are placed much below their true value, bringing the *highest quality produced* within the reach of all.

WIDENMANN, BROICHER & COY.

GENERAL AGENTS FOR GREAT BRITAIN,

33 LIME ST., LONDON, E.C.

Telegraphic Address—"WIDENMANN LONDON."

HEAD OFFICE AND WORKS:—KALAMAZOO, MICHIGAN, U.S.A.

The most extensive Peppermint Plantations and Works in the world. Established A.D. 1869.

TO WHOLESALE AND EXPORT TRADES,

W. RANSOM & SON

(ESTABLISHED HALF A CENTURY),

MANUFACTURING PHARMACEUTICAL CHEMISTS,

Distillers of Essential Oils and Cultivators of Medicinal Plants,

HITCHIN, near LONDON.

SPECIALITIES:—

SOLID AND LIQUID EXTRACTS. EXPRESSED JUICES. ESSENTIAL OIL OF LAVENDER.
ESSENTIAL OIL OF PEPPERMINT. SCAMMONY RESIN. JALAP RESIN.
ELATERIUM. MERCURIAL PILL AND OINTMENT. DRIED MEDICINAL LEAVES.
ENGLISH ACONITE ROOT. ALOIN. ENGLISH DANDELION ROOT.

All Standardised Preparations of the British Pharmacopœia are tested and corrected by our Analyst before leaving the Laboratory.

International Exhibitions—London 1862; Chicago, 1893. Prize Medals awarded for Pharmaceutical Extracts, Essential Oils and Dried Herbs of Superior Quality. Also Award at the Paris Exhibition, 1867.

JEWSBURY & BROWN,

MANCHESTER,

Are now advertising

WHITE HELIOTROPE OIL.

A HIGH-CLASS DRESSING AND STIMULANT FOR THE HAIR.

IT WILL NOT DYE.

2/- PER BOTTLE.

AGENTS.—F. Newbery & Sons, W. Edwards & Son, Barclay & Sons (Limited), J. Sanger & Son, and all Patent Medicine Houses.

OKELL'S ORIGINAL MONA BOUQUET.

(First introduced by the late JOSEPH OKELL.)

Registered Trade Mark, "DOUGLAS PIER."

The most popular and best-selling Perfume in the market.

Retail Prices, 1/-, 1/9, 3/6, 6/-, 7/6, 10/6 per Bottle.

ALSO 3d. SAMPLE BOTTLES.

Shippers and Wholesale Buyers supplied on the best terms by

THOMAS WEST, 1185 & 1187 CHESTER ROAD, STRETFORD, MANCHESTER.

PARIS EXHIBITION, 1889.

PRIZE MEDAL AWARDED TO

"SALVO PETROLIA"

Absolutely Genuine Paraffinum Molle of the very Purest Form, and we claim that it is superior to Vaseline.

Manufactured by the Proprietors in Five distinct qualities—

WHITE, LEMON, YELLOW, GOLDEN, AND VETERINARY.

PACKED IN TINS, 1, 5, 10, 14, 28, 56, and 112 lbs.—Also in 3-cwt. casks.

Samples and Prices on application.

"EDIBLE SALVO PETROLIA,"

For Public Speakers, Actors, and Singers.

1*s.* 6*d.* per Tube.

"OLEUM DEELINÆ"

(REGISTERED).

Universally adopted by the Medical Profession for

OPHTHALMIA, SCURVY, RINGWORM, ECZEMA, AND ALL SKIN-DISEASES.

For External and Internal Irritation of every kind.

PACKED IN CASES—

One Doz. 1s. 6d. Bottles; One Doz. 2s. 6d. Bottles.

Pint Bottles, 4*s.* 6*d.* each, less Trade Discounts.

For Hospital and Dispensary purposes in larger quantities.

TESTIMONIALS MAY BE HAD UPON APPLICATION.

The above are Manufactured Solely by the Proprietors,

THE DEE OIL COMPY.

LIMITED.

Works—SALTNEY, CHESTER.

LONDON OFFICES—

49 LIME STREET, E.C.

Liverpool, Dublin, Manchester, Glasgow, Hull, Cardiff, Bristol, Belfast, Barrow-in-Furness, Nottingham, Paris, Hamburg, &c.

10

"PRICE'S GLYCERINE"

(Originally introduced in 1855).

Guaranteed free from ARSENIC and all other impurities.

WHOLESALE FROM

PRICE'S PATENT CANDLE CO., LIMITED,

London, Liverpool, and Manchester.

BALL-ROOM FLOOR POLISH

SHOULD BE THE

SELLING "SPECIALTY"

THIS WINTER.

It is a Granular Preparation, which does away with the labour of waxing.

In Tins, with perforated Lid and handsome Label

6/6 per dozen.

SELL READILY AT 1/6.

BLEASDALE

(LIMITED),

YORK.

SOZIO AND ANDRIOLI,

ESTABLISHED A.D. 1757.
GRASSE (FRANCE).

FRENCH ESSENTIAL OILS:

Neroly, Lavender, Geranium, Orris, Patchouly, Thyme, Rosemary, Spike, Santal, &c.

NEW CROP.

Oil of Neroly, Rose Water, and Orange Flower Water.

SAMPLES AND QUOTATIONS ON APPLICATION.

FRENCH PERFUMES

OUR WELL KNOWN AND VERY SUPERIOR COMPOSITIONS
STOCK KEPT IN LONDON.
Sole Agent. Mr FREDK BOEHM 4. CULLUM ST LONDON. E.C

COOK'S PURE TOILET SOAPS.

FRAGRANT, EMOLLIENT.

COOK'S "RIVIERA" SOAP (SUPER-FATTED)

FOR THE COMPLEXION.

COOK'S "SAVON DE LUXE."

THE MOST LUXURIOUS SOAP MADE.

EDWARD COOK & CO., LONDON.

PAYS TO SELL IT.

AGENTS WANTED.

ROSEBRITE POLISHING SOAP.

MADE IN ENGLAND.

SAMPLES FREE.

Thoroughly cleans and brilliantly polishes Gold, Silver, Electro-ware, Nickel, Brass, Copper, Tin, Pewter, &c., Mirrors and Windows. Removes stains from hardwood, &c.

GUARANTEED TO CONTAIN NO GRIT OR ACID.

Sold in 1d. & 2d. Tablets.

Extract, October 29, 1894:—"Order herewith. Your Rosebrite is the finest Plate Polish on the market. My customers will now have no other."

ROSEBRITE MANUFACTURING CO., Cleveland Works, Ford Road, BOW, LONDON, E.

BYROLIN

(Registered.)

Aseptic and Antiseptic Ointment and Emollient.

A FIRST-CLASS COSMETIC.

Used in all the Larger Berlin Hospitals.

Applicable for all kinds of Eczema, and in the treatment of Wounds, Burns, Frostbites, and Children's Sores.

Is a preservative and remedy when applied to parts where decomposition of skin secretions is apt to occur, and prevents irritation.

Invaluable for Bed Sores, Sore Nipples, &c., or Prickly Heat.

IN METAL TUBES, 7½d., 1/1½ AND 2/3.

THE BYROLIN CO., 1 ST. SWITHIN'S LANE, LONDON, E.C.

WHOLESALE AGENTS—J. HOWARD & CO., 20, 21 QUEENHITHE, LONDON, E.C.

HAGGERTY'S CURACOF.

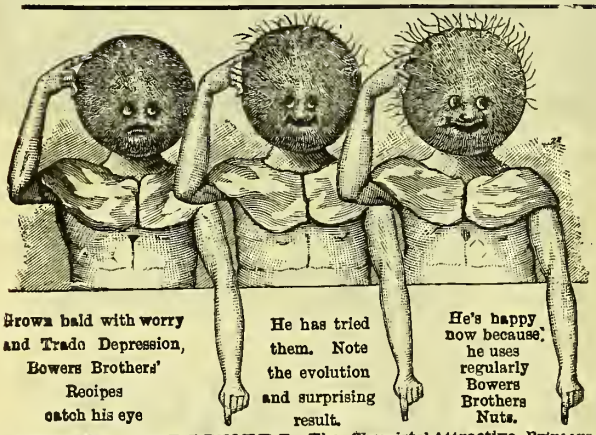
OF IMMENSE VALUE IN EVERY STAGE OF COUGH.

Altogether unrivalled in

WHOOPING-COUGH, CROUP, BRONCHITIS, HOARSENESS, ASTHMA, CONSUMPTION, &c., &c.

In 1/1½ Bottles only.

HAGGERTY'S CURACOF WORKS, West Street, CHARLTON, LONDON, S.E.



BOWERS BROTHERS, The Chemists' Attractive Printers, 89 BLACKFRIARS ROAD, S.E.

INDIA.

PEAKE, ALLEN & CO.

CHEMISTS, DRUGGISTS, AND GENERAL MERCHANTS, LUCKNOW, OUDH, INDIA,

Possess exceptional facilities for the introduction of NEW SPECIALITIES, Patent Medicines, Druggists' Sundries, Perfumery, &c.

BOOKS FOR THE CHEMIST'S LIBRARY

"THE ART OF DISPENSING." Price 3*s.* 6*d.* By post, 3*s.* 10*d.*

"HANDY BOOK OF MEDICINE-STAMP DUTY." By E. N. ALPE, of the Solicitor's Department, Somerset House. Price 2*s.* 6*d.* By post, 2*s.* 9*d.*

"VETERINARY COUNTER PRACTICE." Price 3*s.* 6*d.* Post Free, 3*s.* 9*d.*

Published at the Offices of THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C.; and from all Wholesale Houses.

TIDMAN'S SEA SALT.
TIDMAN'S SALICYLIC TOILET SOAP.
TIDMAN'S GLYCERINE AND CUCUMBER SOAP.
TIDMAN'S WHITE ROSE & CUCUMBER SOAP.
TIDMAN'S OATMEAL AND COLD CREAM SOAP.
TIDMAN'S "VASTO" INSECTICIDE.

APPLY FOR LISTS AND SAMPLES TO

TIDMAN & SON, LIM., BUSHELL STREET, LONDON, E.

SOLE LONDON AGENTS FOR THE

PATENT DEADLY FLY TRAP.

£5 orders Carriage Paid in England, Scotland, and Ireland.

PERFECTLY PURE. WRITE FOR OUR PRICES BEFORE ORDERING.

S 0/56 V 0/60 R

TINCTURE SPIRIT

60 O.P. AT LOWEST PRICES. 56 O.P.

PURE ORANGE WINE.

S 0/61 V 0/64 M

AT LOWEST PRICES.

Special Terms to Large Buyers.

PURE GINGER WINE.

FOREIGN WINE AND SPIRIT MERCHANTS.

SOLE PROPRIETORS OF THE FAMOUS "GLENALLAN" PURE MALT WHISKY.

7 YEARS OLD. THE CREAM OF SCOTCH WHISKY. Per doz. 42/- Per doz.

BOORD & SON,

DISTILLERS, FOREIGN WINE AND SPIRIT MERCHANTS, AND METHYLATORS,

ALLHALLOWS' LANE AND BARTHOLOMEW CLOSE, LONDON, E.C.

Quotations for S.V.R. Methylated Spirit and Finish on application.

FINEST ORANGE WINE FOR QUININE.

JAMES BURROUGH S.V.R. 65 O.P. 60 O.P.

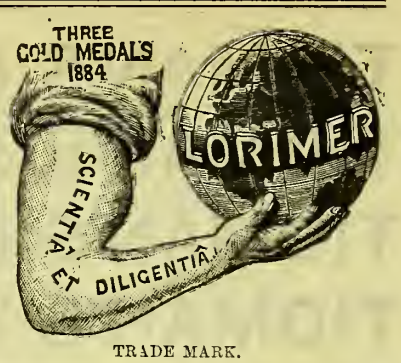
CALE ST., CHELSEA, S.W.

and Methylated Spirit

AT LOWEST PRICES.

WRITE FOR QUOTATIONS.

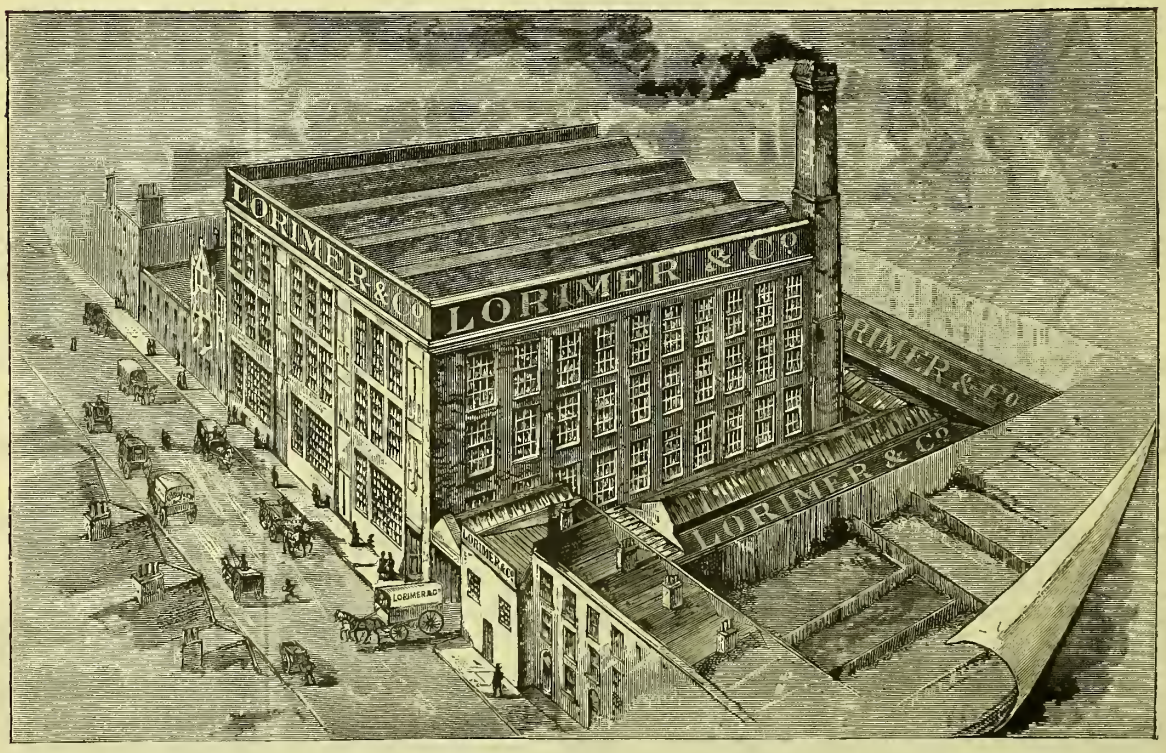
You can save time . . and money by coming direct to us. . . . . .



TRADE MARK.

WE are Manufacturers of Granular Effervescing Preparations, Scaled Preparations, Extract of Malt, Medicated Lozenges, Coated Pills, Medicated Wines, Soluble Capsules, and all Pharmaceutical Preparations. . . . . Proprietors of Lorimer's Syrup of Hypophosphites, "Gold Medal" Chemical Food, Iodised Oil (Patent), Lorimer's Coca Wine, "The Perfect" Castor Oil, Coca Jelly (Patent), and Sole Agents for Fels's Germicide Soap.

Price List on application.



LORIMER & CO.

Britannia Row,

LONDON, N.

Established 1870.

Telegraphic Address:—
"CALISAYIN LONDON."

Telephone No. 7524.

Telephone Number, 1852. Telegraphic Address—CHEMICUS LONDON.

ADVERTISERS' AND BUYERS' REFERENCE LIST AND INDEX TO ADVERTISEMENTS.

INDEX TO ADVERTISEMENTS APPEARING IN THIS ISSUE.

NOTE.—The Folios shown in this Index are those at the FOOT of the Page, and not at the Top. This arrangement is necessary in order to meet the requirements of the Post Office.

	Foot of Page
Advertising Balloon Co.	20
Allen & Hanburys	*Front Cover*
Andrews, G., & Co.	51
Anglo-American Drug Co.	42
Apollinaris Co.	*Outside Cover*
Armour & Co.	32
Astley Cooper & Co.	28
Automatic Sight Testing Co.	8
Baiss Bros. & Co.	37
Barclay & Sons (Lim.)	47
Barnett & Foster	25
Barrett, R. H.	46
Berdoe & Co.	*Coloured Supplement*
Bleasdale, W., & Co. (Lim.)	10
Blondeau & Co.	35
Boehm, F.	38
Boehringer & Soehne	40
Boissy	*Text* 48
Boord & Son	13
Boulton & Co. (Lim)	29
Bowdlear, W. N., & Co.	4
Bowers Bros.	12
Bratby & Hinchliffe (Lim.)	24
Breffits (Lim.)	45
Brett, F. J.	*Coloured Supplement*
British Paper Co.	47
Browne, T. B.	*Text* 48
Browning & Co.	22
Burrough, James	13
Burroughs, Wellcome & Co.	33, 34, *Front Cover*
Businesses for Disposal	*Col. Supp.*
Cadbury Bros.	*Cover*
Cerebos Salt	30
Champion & Co.	29
Chemists' Association (Lim.)	51
Chesebrough Manufacturing Co.	34
Christy, T., & Co.	50
Cook, E., & Co.	11
Corsan, J. R.	4
Critchley, T.	19
Crocker & Co.	*Coloured Supplement*
Darton, F., & Co.	7
Day, Son & Hewitt	18
Dee Oil Co.	10
De St. Dalmas, A. E.	46
Duncan, Flockhart & Co.	37
Ellis & Son	*Text* 48
Eschmann Bros. & Walsh	51
Exchange Column	22
Fennings, Alfred	*Outside Cover*
Ferratin	40
Fink, F., & Co.	50
Fletcher, Fletcher & Co.	50, *Text* 48
Fletcher's Hydrobromates	50
Fraenkel Bros.	30
Fullers' Earth Mining Co.	19
Gardner, W.	44
Geraut, E., & Co.	24
Gibson, R., & Son	31
Giles, Schacht & Co.	37
Glendenning, W., & Sons	50
Goodall, Backhouse & Co.	30
Great Tower Street Tea Co.	23
Haggerty, C. E.	12
Hargreaves, Dr.	6
Harker, Stagg & Morgan	39
Haywood, J. H.	48
Heine, Joseph, & Co.	28
Hertz & Collingwood	26
Hewlett, C. J., & Son	39
Hickisson, J.	35
Hirst, Brooke & Hirst (Lim.)	29
Homocea	43
Hora & Co.	*Text* 48
Horniman, W. H. & F. J. (Lim.)	28
Howard & Co.	12
Hubbuck, T., & Son	40
Idris & Co. (Lim.)	27
Incandescent Gas Light Co.	20
Isaacs, I., & Co.	46
Izal	20
James, W. H.	42
Jewsbury & Brown	9
John on & Johnson	52
Josephs, P.	22
Kay Bros.	38
Kirtley, J. C.	44
Krohne & Sesemann	46
Landor, Anderson & Co.	50
Lecoute, E.	36
Leo & Co.	39
Levermore, Aug.	50
Liebig Co.	17
Lincoln Drug Co.	38
Liquor Carnis Co.	43
Lofthouse & Saltmer	41
London Homœopathic Hospital	6
Lorimer & Co.	14
Mackenzie's Cure	43
Manchester School	6
Mason, C. E., & Co.	20
Mather, Wm. (Lim.)	49
Matthews, H., & Co.	19
Maw, S., Son & Thompson	*Cover*
May & Baker (Lim.)	*Cover*
May, Roberts & Co.	*Cover*
Meister, Lucius & Bruning	40
Metropolitan College	6
Millar, A., & Co.	29
Mills & Co.	*Text* 48
Molling & Co.	7
Moss, J., & Co.	*Text* 48
Ness & Co.	50
Newbery, F., & Sons	47
Nicholls, G. W.	50
Northern School	6
North of England School	6
Nortons (Lim.)	42
Oberbrunnen	26
Odams' Chemical Co. (Lim.)	18
Orridge & Co.	*Coloured Supplement*
Pasteur Filter Co.	26
Peake, Allen & Co.	12
Pfister, F.	20
Phillips & Co.	13
Phillips & Co. (Lim.)	50
Poths, H., & Co.	46
Potter & Clarke	21
Price's Candle Co. (Lim.)	10
Randall & Son	42
Ransom, W., & Son	9
Raphael & Co.	6
Robbins & Co.	43
"Rypona"	50
Sanitas, The, Co. (Lim.)	*Text* 48
Scott's Emulsion	4
Shirley Bros.	47
Singleton & Cole	30
Sizer Bros.	20
Smith, T. & H., & Co.	38
Southwell & Co.	29
Sozio & Androli	11
Squire & Sons	34
Stevenson, H. E., & Co.	5
Stevenson & Howell	3
Stipendum Stopper Co.	44
Strand College	6
Sutton, W., & Co.	51
Thiellay, E. H.	50
Thornton-Pickard Co.	50
Tidman & Son (Lim.)	13
Todd, A. M.	9, *Text* 48
Tomlinson & Hayward	35
Tomliuson, Thomas, & Sons	*Coloured Supplement*
Toogood, W.	48
Trade Mark Society	*Text* 48
Treble, G., & Son	22
Tyler, Hayward, & Co.	24
Tyrer, P.	29
Tyrer, Thomas, & Co.	41
Vaccine Association	43
Vint, T. D.	50
Wandsworth Chemical Co.	20
Warrick Bros.	*Text* 48
Washington Chemical Co. (Lim.)	41
Werner & Pfleiderer (Lim.)	44
West, T.	9
Wilkinson & Co.	38
Willcox, W. H., & Co.	44
Wood, Bryan & Co.	11
Wood, V.	46
Wyeth, J., & Bro.	23
Yanatas (Lim.)	50

CLASSIFIED LIST OF ALL ADVERTISERS

Whose Announcements appear in "THE CHEMIST AND DRUGGIST." Those whose Names do not appear in the preceding Index are published in one of the other issues of this month.

ACETIC ACID
Lorenz, H.
Morris & Callard (Salts)

ACIDS
Boulton, J., & Co., Lim.

ADVERTISING SPECIALITIES
Caspar & Co., Lim.
Corsan, J. R.
Harris, J.
Sears, F. W.

AERTD & MINRLS
Apollinaris Co.
Barnett & Foster
Bratby & Hinchliffe, Lim.
Chemists' Aërated Waters Association, Lim.
Ellis & Son (Ruthin)
Idris & Co., Lim.
Ingram & Royle
Jewsbury & Brown
Mills & Co. (Bourne)
Oberbrunnen

DITTO PLANT
[See SYPHONS and ESSENCES.]
Barnett & Foster
Bratby and Hinchliffe, Lim.
Rylands, Dan, Lim.
Tyler, Hayward, & Co.

AGNCIES ABROAD
Australian Drug Co.
Boissy
Kempthorne, Prosser & Co.
Lennon, B. G., & Co. [(N.Z.)
Peake, Allen & Co.
Prosser, Taylor & Co.
Soul, W. H., & Co.

ALKALOIDS
Howards & Sons (Cinchona)
Macfarlan, J. F., & Co.
Smith, T. & H., & Co.

AMMONIA
May & Baker, Lim.
White, A., & Sons
Woolley, Sons & Co.

APPARATUS
Bennett, Sons & Shears
Berend, O., & Co.
Christy, T., & Co.
Deroy Fils Aine

BAKING POWDER
Goodall, Backhouse & Co.

BANDAGES
Bailey, W. H., & Son
Robinson & Sons
Schutze, F., & Co.
Wood, Vincent

BATH & FLESH GLOVES
Barclay & Sons, Lim.
Chemists' Association, Lim.
Maw, S., Son & Thompson
Solport Bros.
Wood, Vincent

BATH SALTS
Landor, Anderson & Co.
Tidman & Son, Lim.

BEESWAX
Bowdlear & Co.

BICARB. SODA
Brunner, Mond & Co., Lim.
Howards & Sons
May & Baker, Lim.

BIPALATINOIDS
Oppenheimer, Son & Co.

BISMUTH PREP.
Hearon, Squire & Francis
Hewlett & Sons
Howards & Sons
May & Baker, Lim.
Symes & Co. | Tyrer, T., & Co.
White, Alfred, & Sons

BOTTLES
Ayrton & Saunders
Barnett & Foster
Barrett, R. H.
Bratby & Hinchliffe, Lim.
Evans, Sons & Co.
Gilbertson, H., & Sons
Hearn, Wright & Co.
Isaacs & Co.
Johnsen & Jörgensen
Kilner Bros.
Lofoden Cod Liver Oil Co.
Maw, S., Son & Thompson
Poths, H., & Co.
Rylands, Dan, Lim.
Stipendum Stopper Co., Lim.
Taylor, F. H., & Co.
Toogood, W. | Youldon, E.

BOOKS
Hargreaves, Dr., M.D.
Squire's "Companion"

BORAX
Howards & Sons
Mack's Starch

BOXES
Austin & Co. (Cardboard)
Ayrton & Saunders
Evans, Sons & Co.
Ford, Shapland & Co.
Kent, G. B., & Son
Kilner Bros. | Maxime & Co.
Kirtley, G. C.
Robinson & Sons
Rylands, Dan, Lim.

BRUSHES
Evans, Sons & Co.
Hovenden & Sons
Kent, G. B., & Sons

BUNSEN BURNRS
Berend & Co.

BUTTER COLR, &c.
Boulton, J., & Co., Lim.
Crawshaw & Co.
Tomlinson & Hayward

CACHOUS
Bleasdale & Co.
Blyton, Astley & Co.
Raimes & Co. | Warrick Bros.

CAMPHOR
Howards & Sons
May & Baker, Lim.

CAPSULES
Denoual, J (Medicinal)
Duncan, Flockhart & Co.
Evans, Sons & Co.
Hatrick & Co., Lim.
Hooper, R., & Co.
Lloyd, T. Howard, & Co.
Lofthouse & Saltmer
Maw, S., Son & Thompson
Parke, Davis & Co.
Richardson, John, & Co. (Leicester), Lim
Warrick Bros
Wyleys, Lim.

CALENDARS
Ford, Shapland & Co.

CARBOLIC ACID
Mason, C. E., & Co.
Stevenson, H. E., & Co.
Wandsworth Chemical Works, Lim.

CSCRA SAGRADA
Anderson & Co.
Duncan, Flockhart & Co.
Evans, Sons & Co.
Ferris & Co.
Harker, Stagg & Morgan
Moss, J., & Co.
Parke, Davis & Co.
Squire & Sons
Stearns, F., & Co.

CERESINE WAX
Boehm, Fredk. | Pfister, F.

CHALK, PRECIP.
Levermore, Aug., & Co.
Morrison, R., & Co.
Nicholls, G. W.

CHECK TILLS
Gledhill, G. H., & Co.
O'Brien, Thos.
Stokes, G. R., & Co., Lim.
Voucher Check Till Co., Lim.

CHEMICALS
Berger, Kahler & Co.
Boehm, Fredk.
Boehringer, C. F., & Sohne
Boulton, J., & Co., Lim.
Brunner, Mond & Co., Lim.
Burton, W., & Sons
Goodall, Backhouse & Co.
Hill, A. S., & Son [Clarke
Hodgkinsons, Treacher &
Howards & Sons (Pharm.)
Lofthouse & Saltmer
Lorenz, H.
Macfarlan, J. F., & Co.
May & Baker, Lim.
Morris & Callard | Moss & Co
Oppenheimer, Son & Co.
Smith, T. & H., & Co.
Stevenson, H. E., & Co.
Tyrer, T., & Co.
Washington Chemical Co.
White, A., & Sons
Zimmermann, A. & M.

CHEST PROTCTRS
Ayrton & Saunders
Hockin, Wilson & Co.
Liverpool Patent Lint Co.
Maw, S., Son & Thompson
Newbery, F., & Sons
Schutze & Co. | Solport Bros.
Solport Bros.
Wood, Vincent

CHLOR. OF LIME
Government Sanitary Co.
Hebden, W. C.
National Chemical Co.

CHLORODYNE
Blyton, Astley & Co.
Davenport (Browne's)
Towle, A. P., & Son

CHLOROFORM
Duncan, Flockhart & Co.
Macfarlan, J. F., & Co.
Smith, T. & H., & Co.
Wright, Layman & Umney
Zimmermann, A. & M.

COCA & CHOCOLTE
Cadbury Bros. | Christy & Co

COCAINE-HYDRO.
Howards & Sons

COCA WINE
Armbrecht, Nelson & Co.
French Hygienic Soc.
Lorimer & Co.
Stephen Smith & Co. (Hall's)

COD-LIVER OIL
Allen & Hanburys
Burroughs, Wellcome
Evans, Sons & Co.
Hill, A. S., & Son
Hockin, Wilson & Co.
Lofoden Cod Liver Oil Co.
Lorimer & Co.
Moss, J., & Co.
Oppenheimer, Sons & Co.
Richardson, J., & Co., Lim.
Smith, T. & H., & Co.
Spratt's Patent (Dog Cakes)
Scott's Emulsion
Stevenson, H. E., & Co.
Terrol Co. (substitute)
Woolley, Sons & Co.
Wright, Layman & Umney

COLAPSBL TUBES
Betts & Co.
COMBS
Hovenden & Sons
COMP. MEDICINS
Allen & Hanburys
Blyton, Astley & Co.
Burroughs, Wellcome & Co.
Hooper, B., & Co. | Leo & Co.
Lloyd, T. Howard, & Co,
Parke, Davis & Co.
Richardson, J., & Co., Lim.
Stearns, F., & Co.
CONCENT. LIQRS.
Baiss Bros., & Co.
Cooper & Co.
Fletcher, Fletcher & Co.
Lloyd, T. Howard, & Co.
Oppenheimer, Son & Co.
Richardson, J., & Co., Lim.
CONFECTIONERY
Randall & Son
CORN CURES
Gardner, C.
COTTON WOOL
Haynes, G., & Co. (Absorbent)
Robinson & Sons (Absorbent)
Sanger, J., & Sons
CRSHD LINSEED
Mumford, G. S. | Sizer Bros.
DENTIFRICES, &c.
Beecham, T.
Bronnley, H., & Co.
Fentiman & Co.
Hanson, O. | Hovenden & Sons
Jewsbury & Brown
Lakeman, J. J. | Stevens, P. A.
Lutheni & Co.
Sutton, O., & Co.
Warrick Bros. | Wilson, A.
Woods, W. (Areca Nut)
DISINFECTANTS
Barclay & Sons, Lim.
Beedzier & Co. | Brooks, T.
Drysdale, J. W., & Co.
Dussek Bros. & Co.
Fletcher Bros. & Co.
Government Sanitary Co.
Hebden, W. C.
Jeyes' Sanitary Compounds Co.
Mason, C. E., & Co.
May & Baker, Lim.
National Chemical Co.
Ness & Co.
Odams' Chemical Co., Lim.
Sanitas Co., Lim.
Seabury & Johnson
Tyrer, T., & Co. Lim.
Wandsworth Chemical Works,
DOG MEDICINES
Spratt's Patent. Lim.
DRUGGISTS' SUN.
Andrews & Co.
Ayrton & Saunders
Barclay & Sons, Lim.
Bleasdale & Co., Lim.
Chemists' Association, Lim.
Evans, Lescher & Webb
Evans, Sons & Co. (Savars)
Feaver, J.
Fordham, W. B., & Sons, Lim.
Hockin, Wilson, & Co.
Hovenden & Sons
Howard, J., & Co.
Kay Bros., Lim.
Maw, S., Son & Thompson
May, Roberts & Co.
Newbery, F., & Sons
Palmer & Co., Lim.
Quelch, H. C.
"Rypona"
Sanger & Sons | Schutze & Co.
Tidman & Son | Toogood, W.
Tunbridge & Wright
Wood, Vincent
DRUGS
Allen, S., & Sons Grinders)
Bleasdale & Co., Lim. | Graf, F.
Hopf, R. | Morrison, R., & Co.
Oppenheimer, Son & Co.
Phillips & Co. [(Grinders)
Richardson, J., & Co., Lim.
Stevenson, H. E., & Co.
DRYSALTERIES
Browning, J. H., & Co.
DYES, &c.
Crawshaw & Co.
EAU DE COLOGNE
Farina, J. M.
Hockin, Wilson & Co.
ECZEMA
Cullwick's Skin Ointment
Cullwick's Blood Tablets
EMBROCATION
Day & Sons
Elliman, Sons & Co.
Rypona
ENEMAS
Barclays, Lim,
Evans, Sons & Co.
Putney, J., & Sons
Sanger & Son | Wood, Vincent
ESSENCES
Boulton, J. & Co., Lim.
Bovril, Lim. (Beef)
Bratby & Hinchliffe, Lim.
Burgoyne, Burbidges & Co.
Bush, W. J., & Co.
Fletcher, Fletcher & Co.
Goodall, Backhouse & Co.
Hodgkinsons, Prestons & King
Idris & Co Lim.
Lorimer & Co.
May & Baker, Lim.
Newball & Mason
Rylands, Dan, Lim.
Stevenson & Howell
Tyrer, P. (Anchovies)
Tyrer, T., & Co.
Woolley, Sons & Co.

ENGRAVERS
Caspar & Co., Lim.
Corsan, J. R.
ESSENTIAL OILS
Allen, S., & Sons
Boehm, Fredk.
Bush, W. J., & Co.
Dodge & Olcott
Drysdale, J. W., & Co.
Evans, Sons & Co. [Clarke
Hodgkinsons, Treacher &
May & Baker, Lim.
Poppelreuter, W.
Ransom, Wm., & Sons
Rylands, Dan, Lim.
Sozio & Andrioli
Spurway & Co.
Stevenson, H. E., & Co.
Stevenson & Howell
Symes & Co. | Todd, A. M.
Treatt, R. C. | Warrick Bros.
Widenmann, Broicher & Co.
Wright, Layman & Umney
ETHER
Duncan, Flockhart & Co.
Howards & Sons
Macfarlan, J. F., & Co.
May & Baker, Lim.
Robbins, J., & Co.
Tyrer, T., & Co.
White, A., & Sons
Woolley, Sons & Co.
Wright, Layman & Umney
EUCALYPTUS
Laughland, Mackay & Baker
Massey & Co.
Tasmanian Eucalyptus Oil Co.
EXALGINE
Kühn, B.
EXTRACT MEAT
Armour & Co. | Brand & Co.
Idris & Co. (Viking Co.)
Liebig Co.
Liquor Carnis Co., Lim.
Mason, G., & Co., Lim.
Wyeth, J., & Brother
EXTRCTS, FLUID
Allen & Hanburys
Allen, G., & Co.
Bleasdale & Co., Lim.
Burgoyne, Burbidges & Co.
Evans, Sons & Co.
Flotcher, Fletcher & Co.
Hearon, Squire & Francis
Hooper, B., & Co.
Lloyd, T. Howard, & Co.
Moss & Co.
Parke, Davis & Co.
Potter & Clarke
Ransom, W., & Son
Richardson, J., & Co., Lim.
Stearns, F., & Co.
Wright, Layman & Umney
EXTRACTS, SOLID
Allen, G., & Co.
Ransom, W., & Son
Stearns, F., & Co.
FEEDG BOTTLES
Burroughs, Wellcome & Co. (Thermo Safe)
Chemists' Association, Lim
Evans, Sons & Co.
Gilbertson, H., & Sons
Hearn, Wright & Co.
Hockin, Wilson & Co.
Hovenden & Sons
Kilner Bros.
Marriott, E. & Co.
Maw, S., Son & Thompson
May, Roberts & Co.
Shirley Bros. | Youldon, E.
FILTERS
Fordham, W. B., & Sons, Lim.
Pasteur Germ Filter
FLY PAPERS
Buchan, D.
Ford, Shapland & Co.
Marshall, E.
Mather, W., Lim.
May, Roberts & Co.
Silverlock, H. | Strong, Christy
Tidman & Sons
Tunbridge & Wright
FOOD (Infants' & Invalids')
Allen & Hanburys
Benger's Food
Brand & Co.
Cerebos Salt Co., Lim.
Chibnall, H. B.
Evans, Sons & Co
Glendenning, W., & Sons
Goodall, Backhouse & Co.
Hearon, Squire & Francis
Liebig Co. | Lorimer & Co.
Mason, F.
Mason, G., & Co., Lim.
Mellins Food | Nestlé, H.
Ridge, Dr. | Tyrer, P.
Viking Food Co.
Wyeth, J., & Bro.
FORMULÆ
Brooks, T.
FULLERS' EARTH
Fullers' Mining Co., Lim.
GAS BURNERS
Incandescent Gas Light Co., Ld.
GELATINES
Astley, Cooper & Co.
Boehm, F.
Heine, J., & Co.
GINGER ALE
Bratby & Hinchliffe, Lim.
Chemists' Aerated & Mineral Water Association, Lim.
Ellis & Son
Mills, R. M., & Co.
Ross & Sons, Lim.
GLYCERINE
Blyton, Astley & Co. (Pastilles)
Boehm, F. | Fink & Co.
Price's Candle Co., Lim.

GRANULAR PREP
Bishop, A., & Sons
Blyton, Astley & Co.
Evans, Sons & Co.
Hearon, Squire & Francis
Lloyd, T. Howard, & Co.
Richardson, J., & Co., Lim.
Tyrer, T., & Co.
Wright, Layman & Umney
GUM
Fink & Co. (Arabic, &c.)
HAIR PREP.
Chesebrough Co.
Edwards & Co.
Truefitt, H. P., Lim.
HERB BEER EXTS.
Newball & Mason
Potter & Clarke
Southall Bros. & Barclay
HOMŒOPATHIC
Epps, James & Co., Lim.
Keene & Ashwell
Leath & Ross
Watson & Wates
HOT WATR BTTLS
Currie & Co.
HYPOPHOSPH'TES
Duncan, Flockhart & Co.
Fellows
Fletcher, Fletcher & Co.
Lorimer & Co. | Symes & Co.
Tyrer, T., & Co.
INHALERS
Burroughs, Wellcome & Co.
Gilbertson, H., & Sons
Hockin, Wilson & Co.
Putney, J., & Sons
Toogood, W.
INK
Bewley & Draper, Lim.
INSECTICIDES
Barclay & Sons, Lim.
Hebbeler, K.
Hockin, Wilson & Co.
Lorimer & Co.
Sandford & Sons
Steiner & Co.
Stevenson & Howell
IRON, REDUCED
Berger, Kahler & Co.
JELLOIDS
Warrick Bros.
KETCHUP
Tyrer, P.
KOLA
Christy & Co.
Moss, John, & Co.
LAMPS
Caspar & Co.
LARD
Ewen, J., & Sons
LIME JUICE
Evans, Sons & Co.
Lorimer & Co.
LINT
Burgoyne, Burbidges & Co.
Christy, T., & Co.
Liverpool Lint Co.
Maw, S., Son & Thompson
Newsome, C.
Robinson & Sons
LIQUORICE
Dennis Di Luggo & Co.
"Solazzi"
LIQUORS
Cooper & Co.
Fletcher, Fletcher & Co.
Hodgkinson, Prestons & King
Lloyd, T. Howard, & Co.
Moss, John, & Co.
Oppenheimer, Son & Co., Lim.
Stearns, F., & Co.
LOZENGES
Allen & Hanburys
Blyton, Astley & Co.
Frog in the Throat
Garratt, J. E.
Gibson, R. & Sons (Manfrs.)
Guest, T., & Co.
Hill & Son | Lorimer & Co.
Raimes & Co.
Richardson, J., & Co., Lim.
"Solazzi"
Stearns, F., & Co.
Warrick Bros.
MACHINERY
Bennett, Sons & Shears Lim.
Carter, T. H.
Gardner, W.
Hockin, Wilson & Co.
Pindar, J. W.
Werner & Pfleiderer (Kneading and Sifting)
MAGNESIA
Bleasdale, W., & Co.
Evans, Sons & Co.
Henry, T. & W. (Calcined)
Hill, A. S., & Sons
Lloyd, T. Howard, & Co.
Lorimer & Co.
Washington Chemical Co.
MALT EXTRCT, &c.
Allen & Hanburys
Anderson & Co.
Burroughs, Wellcome & Co. (Kepler's)
Glendenning, W., & Sons (Wine)
Hearon, Squire & Francis
Leconte, Eugene
Lofoden Cod Liver Oil Co.
Lorimer & Co. | Moss, J., & Co.
Oppenheimer, Sons & Co., Lim.
Parke, Davis & Co.
Raimes & Co.
Raimes, Clark & Co.
Richardson, John, & Co. Leicester), Lim
Robinson & Co.

MANICURE
Hovenden & Sons
MARKING INKS
Bond (Daughter of the late John) (Ink & Pencils)
MEDICINE CHSTS
Burroughs, Wellcome & Co.
Day, Son & Hewitt (Veterinary)
Day & Sons (Veterinary)
Richardson, J., & Co., Lim.
MENTHOL
Burroughs, Wellcome & Co.
Christy, T., & Co.
Evans, Sons & Co.
Hockin, Wilson & Co.
Maw, S., Son & Thompson
Shirley Bros. | Tyrer, P.
MERCURIALS
Howards & Sons
May & Baker, Lim.
Tyrer, T., & Co.
METH. SPIRTS, &c.
Boord & Son | Burrough, J.
Jones & Co.
Phillips, G., & Co.
Smith, S., & Co.
METHYLENE
Robbins, J., & Co.
MICROSCOPES
Darton, F., & Co.
MILK
Nestlé, H. (Condensed)
MORPHIA
Macfarlan, J. F., & Co.
Smith, Bertie, & Co.
Smith, T. & H., & Co.
NIGHT LIGHTS
Palmer & Co., Lim.
OILS
Bowley, S., & Son
Hooper, B., & Co. (Sandal Wood)
OILS, PAINTS, VARNISHES, &c.
Browning, J. H., & Co.
Fox, W., & Sons
Matthews, H., & Co.
Pinchin, Johnson & Co.
OINTMNT BASES &c.
Burroughs, Wellcome & Co. (Lanoline)
Byrolin Co.
Chesebrough Co. (Vaseline)
Christy, T., & Co.
Lloyd, T. Howard, & Co.
Richardson, J., & Co. (Leicester), Lim.
Rypona
Stevenson, H. E., & Co.
OPIUM
Hopf, R.
OPTICIANS
Botwright & Grey
Darton, F., & Co.
Raphael, J. & Co.
Sight Testing Co., Lim.
OTTO OF ROSE
Warrick Bros.
OXIDE OF ZINC
Hubbuck, T., & Son, Lim.
Stevenson, H. E., & Co.
PALATINOIDS
Oppenheimer, Son & Co.
PAT. MEDCNS, &c.
Anglo-American Drug Co. Lim. [Preserv.)
Atkinson & Barker (Infant
Barclay & Sons, Lim.
Beecham, T. (Pills)
Bow's, Dr., Liniment
Bromley, C. (Gout and Rhen.)
Chemists' Association, Lim.
Clarke's Blood Mixture
Cullwick's Skin Ointment
Cullwick's Blood Tablets
Edwards & Son
Evans, Lescher & Webb
Fassett & Johnson
Fenning (Powders)
Frog in the Throat
Goodall, Backhouse & Co.
Herman, M. (Toothache Cure)
Holloway (Pills and Oint.)
Hovenden & Sons
Lalor (Phosphodyne, &c.)
Lynn, Dr. (Fig Remedy)
Mackenzie, Dr. (Catarrh Cure)
May, Roberts & Co.
Newbery, F., & Sons
Powell, T.
Roberts & Co (Foreign)
Sutton, W., & Co.
Warner, H. H., & Co., Lim.
Wilkinson & Co.
Wilson, A. (Bunter's Nervine)
PEPPERMINT OIL
Bush, W. J., & Co.
Ransom, W., & Son
Stevenson & Howell
PEPSIN, &c.
Armour & Co.
Burroughs, Wellcome & Co.
Fletcher, Fletcher & Stevenson
Newbery, F., & Sons (Ingluvin)
Oppenheimer, Son & Co.
Parke, Davis & Co.
Stearns, F., & Co.
Stevenson, H. E., & Co.
Warner & Co. (Ingluvin)
PEROX OF HYDR.
May & Baker, Lim.
Robbins & Co.
Tyrer, T., & Co.
PETROLEUM
Allen & Hanburys
Christy, T., & Co.
Dee Oil Co., Lim.
Snowdon, Sons, & Co.

PERFUMERY, FANCY SOAPS
Barclay & Sons, Lim.
Bleasdale & Co.
Blondeau & Cie. | Boehm, F.
Blyton, Astley & Co.
Brooks, T. (solid)
Burgoyne, Burbidges & Co.
Burroughs, Wellcome & Co.
Bush, W. & J., & Co.
Chemists' Association, Lim.
Chesebrough Co.
Evans, Sons & Co.
Ewen, J., & Sons | Farina, J. M.
Hovenden & Sons
Lanoline | Mulhens, F.
Newbery, F., & Sons (Berdoes
Pears, A. & P., Lim.
Price's Patent Candle Co.
Sozio & Andrioli
Tidman & Son | Treatt, R. C.
Truefitt, H. P., Lim.
Warrick Bros.
West, T. (Okell's Mona)
Woolley, Sons & Co. (Powder)
Wright, Layman & Umney
PHARM. PREPS.
Allen & Hanburys
Antitoxine | Armour & Co.
Baiss Bros.
Barron, Harveys & Co.
Boehm, Fredk.
Boehringer, C. F., & Sohne
Boulton, J., & Co., Lim.
Burgoyne, Burbidges & Co.
Burroughs, Wellcome & Co.
Duncan, Flockhart & Co.
Ferris & Co.
Fletcher, Fletcher & Co.
Giles Schacht & Co.
Hearon, Squire & Francis
Hewlett & Son
Hill, A. S., & Sons
Howards & Sons
Lactophenin
Macfarlan, J. F., & Co.
May & Baker, Lim.
Moss, J., & Co.
Oppenheimer, Son & Co., Lim
Parke, Davis & Co.
Potter & Clarke
Richardson, John, & Co. (Leicester), Lim.
Smith, T. & H., & Co.
Squire & Sons
Stevenson, H. E., & Co.
Sutton, W., & Co.
Symes & Co. | Tyrer, T. & Co.
Terrol Co.
Warner, H. H., & Co., Lim.
White, Alfred, & Sons
Woolley, Sons & Co.
Wyeth, Jno., & Bro.
Zimmermann, A. & M.
PHOTOGRAPHIC
Barclay & Sons, Lim.
Blackfriars Photographic Co
Boehm, Fredk.
Botwright & Grey
Burroughs, Wellcome & Co.
Darton, F., & Co.
Fordham, W. B., & Sons, Lim.
Howards & Sons (Chemicals)
Thornton-Pickard Co.
Tyrer, T., & Co.
White, Alfred, & Sons
Zimmermann & Co.
PILL MACHINES
Pindar, J. W.
Toogood, W. (Coater)
Werner & Pfleiderer
PILLS, Coated, &c.
Allen & Hanburys
Anderston Apothecaries' Hall
Beecham, Thomas
Blyton, Astley & Co.
Carter's Little Liver Pills
Cox, Arthur H., & Co. (tastless)
Dr. Williams Medicine Co.
Duncan, Flockhart & Co.
Evans, Sons & Co.
Hearon, Squire & Francis
Hill, A. S., & Son
Holloway's
Jolly's "Duchess" Pills
Lloyd, T. Howard, & Co.
Lorimer & Co.
McKesson & Robbins
Newbery, F., & Sons
Nortons, Lim. (Camomile)
Parke, Davis & Co.
Potter & Sacker
Richardson, J., & Co., Lim.
Stearns, F., & Co.
Walker, D. P.
Wand, S. (Pearl Coated)
Warner, W. R., & Co. (Coated)
Wyeth, J., & Bro.
Wyley's, Lim.
PLASTERS
De St. Dalmas, A.
Evans, Sons & Co.
Johnson & Johnson, Lim.
Leshies, Lim | Mather, W., Lim
Seabury & Johnson
POLISHING
Bradley & Bourdas (Albatnm)
Chancellor & Co.
Fordham, W. B., & Sons, Lim.
POPPY HEADS
Bleasdale & Co., Lim.
PORCELAIN GDS
Toogood (E.c. Pots, regist.)
POULTRY FOOD
Spratt's Patent, Lim.
PRINTING
Bowers Bros.
Corsan, J. R. (Glass)
Ford, Shapland & Co.
Harrison & Waide
Molling & Co.
Silverlock H.
Taylor Bros. | Townsend, J.

QUININE SALTS
Boehringer, C. F., & Sohne
Hockin, Wilson & Co. (Wine)
Howards & Sons
Smith, S., & Co. (Wine)
Zimmermann, A. & M.

RENNET
Duncan, Flockhart & Co.
Tomlinson & Hayward

SALICIN
Macfarlan & Co.
Smith, T. & H., & Co.

SALICYLATES
Knoll & Co.

SALICYLIC ACID
Burgoyne, Burbidges & Co.
Kühn, B.
Zimmermann, A. & M.

SALOL
Kühn, B.

SARSAPARILLA
Wilkinson's

SACHETS
Warrick Bros.

SAUCES, PICKLES
Goodall, Backhouse & Co.
Tyrer, P.

SCIENTIFIC INSTRUMENTS
Darton & Co.

SEA SICKNESS REMEDY
Yanatas, Lim.

SEEDS
Potter & Clarke

SEIDLITZ PWDRS
Blyton, Astley & Co.
Hookin, Wilson & Co.
Hora & Co.
May, Roberts & Co.

SELTZOGENES
Bratby & Hinchliffe, Lim.
Evans, Sons & Co.
Gerant, E., & Co.
Hockin, Wilson & Co.
May, Roberts & Co.

SHAVING
Hovenden & Sons (Euxesis)
Lloyd, Mrs. A. S. (Euxesis)
Truefitt, H. P., Lim.

SHEEP DIP
Fletcher, Bros. & Co.
Jeyes'SanitaryCompoundsCo.
Ness & Co.
Odams' Chemical Co., Lim.
Tomlinson & Hayward, Lim.

SCHOOLS, &c.
Central School of Chemistry
City School of Chemistry and Pharmacy, Lim.
Loisette, A (MemoryTraining)
London Homœopathic and Medical School
Manchester Col. of Pharmacy
Metropolitan Col. of Pharmacy
Newcastle School
Newington Col. of Chemistry
Northern College of Pharmacy
North of England School
Sheffield College of Pharmacy
South London School of Pharmacy, Lim.
Strand College
The School of Pharmacy
Westminster College

SHOP FITTERS
Bowling & Govier
Bygrave, J. & W.
Evans, Sons & Co. Howlett, S.
Josephs, P. | Natali & Co.
Treble, G., & Son

SOAP
Ayrton & Saunders
Barclay & Sons, Lim.
Blondeau et Cie (Vinolia)
Bronnley, H., & Co.
Cook, E., & Co.
Evans, Sons & Co.
Fordham, W. B., & Sons, Lim.
Jeyes'SanitaryCompoundsCo.
Lorimer & Co.
Muhlens, F.
Pears, A. & F., Lim.
Tidman & Son
United Alkali Co., Lim.
Wright, Layman & Umney

SODIUM PRXIDE.
Burton, W., & Sons

SPECTACLES
Botwright & Grey
Darton, F., & Co.
Optical Sight-Testing Co., Ld.
Raphael, J., & Co.

SPONGES
Cresswell Bros. & Schmitz
Evans, Sons & Co.
Peterson, M., & Co.

STAMPS(RUBBER)
Hickisson, J.

STARCH
Chancellor & Co. (Mack's)
Critchley (Gloss) Double

STOPPERS
Austin & Co (Sprinklers)
Barnett & Foster
Birmingham Stopper Co.
Melin, C.
Orchard, E. (Poison)
Stipendum Stopper Co., Lim.

STOVES
Clark, S., & Co., Lim.

SUGAR OF MILK
Boehm, Fredk.

SURGICAL
Ayrton & Saunders
Bailey, W. H., & Son
Barclay & Sons, Lim.
Burgoyne, Burbidges & Co.
Cocking, J. T.
Eschmann Bros. & Walsb
Harris, J.
Hatrick & Co., Lim.
Haywood, J. H.
Krohne & Sesemann
Liverpool Patent Lint Co.
Macfarlan, J. F., & Co.
Mather, W., Lim.
Maw, S., Son & Thompson
Oppenheimer, Son & Co.
Powell & Barstow
Quelch, H. C.
Richardson, John, & Co., Lim.
Robinson & Sons
Schutze, F., & Co.
Statham, H., & Co.
Victoria Rubber Co.
Wood, Vincent
Zu a Syringe

SYPHONS
Barnett & Foster
Bratby & Hinchliffe, Lim.
Chemists' Aërated & Mineral Waters Association, Lim.
Fordham, W. B., & Sons, Lim.
Idris & Co., Lim.
Kilner Bros. | Melin, C.
Rylands, Dan, Lim.

SYRUPS
Blyton, Astley & Co.
Cooper & Co.
Fletcher, Fletcher & Co.
Idris & Co., Lim. (Liquors)
Stevenson & Howell

TABLETS
Blyton, Astley & Co. (Sulphur)
Corsan, J. R. (Advertising)
Richardson, J., & Co., Lim. (Compressed)

TEA
Burroughs, Wellcome & Co. (Tabloids)
Gt. Tower Street Tea Co.
Horniman, W. H. & F. J. & Co.
Pearse & Meeking [Lim.

TEETHING PADS
Marriott, E., & Co.

THERMOMETERS
Bailey, W. H., & Son
Barclay & Sons, Lim.
Darton, F., & Co.

TINCTURES
Evans, Sons & Co.
Hewlett, C. J., & Son
Hodgkinson, Prestons & King
Lloyd, T. Howard, & Co.
Moss, John & Co.
Parke, Davis & Co.
Wyleys, Lim.

TOBACCO & CIGRS
Singleton & Cole (Lim.)

TOILET
Aspinall, E.
Allen & Hanburys (Chrisma)
Bates, F. W.
British Paper Co.
Burroughs, Wellcome & Co. (Lanoline)
"Cosmosine"
Dee Oil Co., Lim.
Hockin, Wilson & Co.
Hovenden & Sons
Maw, S., Son & Thompson
Quelch, H. C.
Truefitt, H. P., Lim.

TOOTH PASTE
Beecham, T.
Jewsbury & Brown
Lutheni & Co.
Maw, S., Son & Thompson
Sutton, O., & Co.
Truefitt, H. P., Lim.
Wilson, A. (Bunter's)
Woods, M. (Areca)

TRADE MARKS
Browne, T. B.
Trade Mark Society, Lim.

URETHRANE
Howards & Sons
Vaccine Association (Lymph).

VACCINATION
Vaccine Association (Lymph).

VALUERS & TRNSFR AGNTS
Berdoe & Co | Brett, F. J
Crocker, G. B., & Co.
Orridge & Co.
Tomlinson, Thos. & Son

VASELINE
Chesebrough Co.

VERMIN KILLER
Hebbeler, K.

VINEGAR
Champion & Co., Lim.
Pott, R. & N.

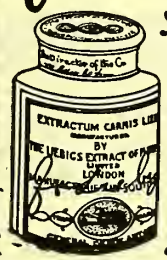
VETERINARY
Bird & Storey | Day & Sons
Day, Son & Hewitt
Elliman, Sons & Co.
James, W. H. (Blisters)
Jeyes'SanitaryCompoundsCo.
Lloyd, T. Howard, & Co.
Rookledge, F. E.
Spratt's (Dogs)
Walker, Troke & Co.

VINOLIA Superf'tt'd
Blondeau & Cie.

WHOLSLE & EXPT DRUGGISTS
Allen & Hanburys
Allen, S., & Son | Balss Bros.
Barron, Harveys & Co.
Bleasdale & Co., Lim.
Boyce Bros.
Burgoyne, Burbidges & Co.
Bush, W. J., & Co.
Evans, Sons & Co.
Evans, Lescher & Webb
Fassett & Johnson
Ferris & Co.
Fox, W., & Sons | Graf, F.
Goodall, Backhouse & Co.
Harker, Stagg & Morgan
Hearon, Squire & Francis
Hewlett & Son
Hill, A. S., & Son
Hodgkinsons, Treacher & Kemp, Wm. & Son [Clarke
Lloyd, T. Howard, & Co.
Lofthouse & Saltmer
Macfarlan, J. F., & Co.
Potter & Clarke
Prosser, Taylor & Co.
Raimes & Co.
Raimes, Clark & Co.
Richardson, J., & Co., Lim.
Stevenson, H. E., & Co.
Symes & Co.
Walker, Troke & Co.
Willows, Francis & Butler
Woolley, Jas., Sons & Co.
Wright, Layman & Umney
Wyleys, Lim.

WINES, SPIRITS
Armbrecht, Nelson & Co. (Coca)
Burroughs, J.
Coleman & Co., Lim.
Durrant & Co.
French Hygienic Socy. (Coca
Glendenning, W., & Sons
Goodall, Backhouse & Co.
Hirst, Brooke & Hirst, Lim.
Lorimer & Co.
Millar, A., & Co. (Orange)
Robinson, B.
Smith, S., & Co. (Orange)
Wright, Layman & Umney

ONLY GENUINE WITH SIGNATURE IN BLUE
J. Liebig
FOR SOUPS SAUCES GRAVIES AND MADE DISHES



LIEBIG
"COMPANY'S"
EXTRACT
OF BEEF.

The Company's NEW COOKERY BOOK sent free on application to
LIEBIG'S EXTRACT OF MEAT CO., LTD.,
9, Fenchurch Avenue, London, E.C.

Manure by Special Appointment

ODAMS'

Manufacturers to Her Majesty the Queen

UNIFORM STRENGTH AND QUALITY GUARANTEED.

(NON-POISONOUS.) FLUID & POWDER (NON-POISONOUS.)

Disinfectants

UNEQUALLED FOR DOMESTIC USE.

Testimonials and Evidence of Value on application to the Secretary,

ODAMS' MANURE & CHEMICAL CO., LIMITED,

116 FENCHURCH STREET, LONDON, E.C.

DAY, SON & HEWITT,

LARGEST MAKERS IN THE WORLD OF

HORSE & CATTLE MEDICINES.

THE GREATEST ANIMAL RESTORATIVE OF THE AGE.

For Fret, Colic, or Gripes in Horses, Hoven or Blown Cattle and Sheep, and General Debility in Stock. Of exceptional value for Colds, Chills, Scour, Diarrhœa, &c., &c.

Price 1s. 9d. per Bottle; 20s. per dozen.

THE CHEMICAL EXTRACT.

For Kicks, Cuts, Bruises, Sore Withers, Swellings, Strains of Ligaments and Tendons, Saddle Galls, &c. It rapidly relieves Straining and Paining after Calving and Lambing, and is the remedy for Swollen Udders and Sore Teats.

Price 2s. 6d., 3s. 6d., and 7s. per bot.

THE CASEODYNE.

Used as Laudanum for parturition in Mares, Cows, and Ewes, when there is great pain exhibited with feverish symptoms. Highly beneficial for Inflammatory Colic or Enteritis, and for severe forms of Diarrhœa.

Price 3s. 6d. per Large Bottle.

THE RED DRENCH.

For Colds, Indigestion, Costiveness, Yellows, Surfeits, Loss of Cud, Pleurisy, Hidebound, Red Water, &c. For cleansing and checking feverish symptoms in Cows and Ewes after parturition.

Price (Cows) 13s. per doz.; (Ewes) 3s. 6d. per doz.

THE "ORIGINAL"
STOCK-BREEDER'S MEDICINE CHESTS,
For Horses, Cattle, and Sheep. Prices, £1 8s. 9d. and £2 16s. 6d.

THE "ORIGINAL"
HORSE-KEEPER'S MEDICINE CHESTS,
For all ailments in Horses. Prices, £1 10s. and £2 17s. 6d.

ROYAL ANIMAL MEDICINE MANUFACTORY, 22 DORSET ST., LONDON, W.

Liberal Discounts to Foreign Buyers. Trade Terms and full particulars on application.
Attractive Show-cards and Handbills sent with each order.

THE

FULLERS' EARTH MINING CO.,

LIMITED.

Works, Mines, and Offices:—WOBURN SANDS, BEDFORDSHIRE.

BEST AND PUREST

FULLERS' EARTH

IN THE MARKET.

HIGHEST AWARD CHICAGO EXHIBITION, OCTOBER, 1893.

SPECIALITIES.—Lump Earth for Woollen Manufacturers, &c. Powdered Earth for Refining Oil, Lard &c. Specially selected Fullers' Earth for the Toilet and Nursery. Packed in beautifully designed Boxes.

SAMPLES AND PRICES FREE ON APPLICATION.

ACKNOWLEDGED BY ALL WHO USE IT TO BE PURE AND FREE FROM ALL IMPURITIES.

BEWARE OF SPURIOUS IMITATIONS.

THE WANT OF THE DAY!

NO MORE SOFT LINEN WHEN STARCHED.

Used in the Royal Laundries.

Once Tried, Always Wanted.

Should be used in Every House.

Makes Old Linen like New.

CRITCHLEY'S STARCH GLOSS

Registered No. 40376.

The Greatest Boon ever offered to the Laundress for imparting an IVORY-FINISH to Starched Linen, Laces, &c. It does not stick to spider-web-like materials.

From the Chief Laundress to H.R.H. the Prince of Wales:—West Newton, near Lynn, Norfolk, Aug. 29, 1879. SIR,—Having tried your "STARCH GLOSS," I certainly think it a great improvement—far superior to any I have tried. Yours truly,
To Mr. CRITCHLEY. E. ELDER.

Sold by Chemists and Druggists, Grocers, Oilmen, &c., in Packets at 1d., 3d., 6d., and 1s. each.

PREPARED ONLY BY

T. CRITCHLEY, CHEMIST AND WHOLESALE DRUGGIST, BLACKBURN.

LONDON DEPOT—107 WHITECROSS STREET, E.C.

HENRY MATTHEWS & CO.

LEWIN'S MEAD, BRISTOL,

DRYSALTERS, OIL MERCHANTS, IMPORTERS, BOILERS, AND REFINERS,

MANUFACTURERS OF PAINTS, COLOURS, AND VARNISHES,

For Contractors, Painters, Coachbuilders, Shipbuilders, and Ship Stores; also of

GREASE FOR MILLS, RAILWAY WAGONS, CARRIAGES, CARTS, WATER-WHEELS, WIRE ROPES, &c.

Samples and Prices on application. Telegraphic Address—"HENRY MATTHEWS, BRISTOL."

WHOLESALE & EXPORT orders for

MASON'S

PERFUMED SOLUTION OF

CARBOLIC ACID

Should be addressed to

C. E. MASON & Co., 107 Whitecross St., E.C.

TERMS UPON APPLICATION.

IMPORTANT REDUCTION IN PRICES.

FINEST CRUSHED LINSEED.

GUARANTEED ABSOLUTELY PURE.

NO OIL EXTRACTED, NO BUFFAM ADDED.

£14 per ton; 15/- per cwt., carriage paid.

SIZER BROS., Seed Crushers, Tower Oil Mills, HULL.

INDEX AND BUYERS' GUIDE

See pages 15, 16, 17.

ADVERTISING BALLOON CO.

ALTRINCHAM, ENGLAND.

Advertising Balloons, printed with name, trade, and address, from 12/- per gross; each Balloon fitted with the improved long nozzle, so that a child can blow them out. We put name, &c., one side, and any figure the other. As a testimony to the quality of our manufactures, the largest advertising firms in the world have adopted our goods in preference to foreign-made articles. Makers of all kinds of Pessaries, Skins, Sheet Rubber Surgical Appliances, &c., &c. Special terms for Shipping and the Wholesale.

A.B.C. REG. TRADE MARK

Notice.—To prevent disappointment, no notice will be taken of application for wholesale terms unless accompanied with *bonâ-fide* manufacturer's references.

Sample Rooms—9 Newton St., PICCADILLY, MANCHESTER.

321 VICTORIA ARCADE, AUCKLAND, NEW ZEALAND.
54 QUEEN STREET, MELBOURNE, AUSTRALIA.
A. D. DOUGLAS, Agent.

MESSRS. COMPES & CO.'S

(Ceresine Wax Refiners and Carnauba Wax Bleachers)

GUARANTEED PURE

CERESINE WAX

Can now be had in single cases from their London Stock.

F. PFISTER, SOLE AGENT,

15 Fore Street, LONDON, E.C.

"THE MOST POWERFUL GERM DESTROYER AT PRESENT KNOWN TO SCIENCE."

IZAL

DISINFECTANT (Non-poisonous).

Now supplied by the chief Wholesale Houses.

Show Cards, Pamphlets, Printed Matter,

And any information the Trade may require, can be obtained on application to

Allen & Hanburys,
BETHNAL GREEN,
LONDON,

Who are the Sole Bottling Agents for the Manufacturers.

EDINBURGH, 1890.

BOTH HIGHEST AWARDS.

JAMAICA, 1891.

DISINFECTANTS.

"Pineotas" Powders, Fluids, and Soaps; Carbolic Powders, Fluids, and Soaps; Crude Carbolic Acid; 95/97% Pale Carbolic Acid; 97/99% Water-white Acid; Petroleum Jelly.

SHEEP DIPS, POWDER AND FLUID.

WANDSWORTH CHEMICAL WORKS, LTD.

WANDSWORTH, S.W.

AGENCY—116 PRINCESS STREET, MANCHESTER.

AGENTS WANTED.

THE

INCANDESCENT GAS LIGHT

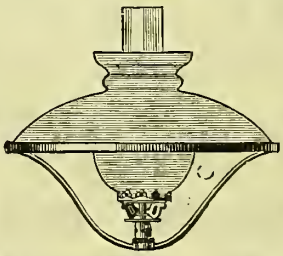
(WELSBACH SYSTEM).

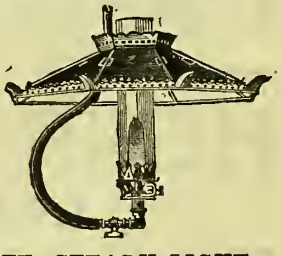
TREBLE THE LIGHT WITH HALF THE GAS OF ORDINARY GAS BURNERS.

SUPERIOR TO ELECTRIC LIGHT

At One-eighth the Cost.

Can be attached to Existing Gas Fittings.





BRILLIANT, COOL, SOFT, STEADY LIGHT.

THE LIGHT for HOME or BUSINESS.

Full particulars Post Free on application to the

Incandescent Gas Light Co., Ld.

PALMER ST., WESTMINSTER, LONDON.

BRANCHES AND AGENCIES THROUGHOUT THE KINGDOM.

LINES SEASONABLE & SALEABLE

FOR COLDS, INFLUENZA, &c.

COMPOSITION ESSENCE.

FULL STRENGTH AND FLAVOUR.

This Essence is of first-rate quality and unvariable excellence. It gives the greatest satisfaction, being made from the original recipe, and is of full medicinal value.

10d. per lb.; W. Quarts, 9½d.; 10-gallon casks, 8½d. 1/- bottles, 4/6 per dozen; 6d. bottles, 3/- per dozen.

FOR ASTHMA, BRONCHITIS, &c.

THE "DATURA"

ASTHMA CURE.

In 1/- Tins.

Undoubtedly the best value in the market. It is well advertised, and the price is not cut. Does the work claimed for it, and is bound to sell wherever exhibited.

Price, 8/- per doz.

A parcel of Free Samples and Printed Matter sent, Carriage Paid, to any Chemist on receipt of post-card.

FOR DYSPEPSIA, INDIGESTION, &c.

Dr. THOMPSON'S

DANDELION COFFEE.

Being made entirely from English Dandelion Root, it is a positive BOON TO DYSPEPTICS. Its action on the Stomach, Liver, and Kidneys is certain, yet gentle. Undoubtedly the pleasantest and most wholesome substitute for Tea, Coffee, &c.

6d. tins, 4/- per doz.; 1/- tins, 7/6 per doz.

FOR EVENING PARTIES, &c.

POTTER'S

GINGER WINE ESSENCE.

Made from the finest Jamaica Ginger, for the immediate production of a delicious and stimulating Temperance beverage. Does not infringe the Excise regulations, and may be sold without fear.

6d. bottles, 4/- per doz.; in bulk, 1/- per lb.; W. Quarts, 10d. per lb.

PROPRIETORS AND MANUFACTURERS—

POTTER & CLARKE

Wholesale Druggists,

ARTILLERY LANE, BISHOPSGATE, LONDON.

EXCHANGE COLUMN.

This Section of "The Chemist and Druggist" must be closed for press by Wednesday morning's post of each week. Remittances payable to EDWARD HALSE.

TERMS.

Advertisements in this department must be paid for in advance. From this rule no deviation can be made. Insertions are charged at the rate of ½*d.* per word, provided the advertiser attaches his name and address, for each word of which he must also pay at the same rate; or if he pays 1*d.* per word his name and address will be registered and a figure attached to his advertisement. All correspondence referring to that figure must be addressed to "The Publisher of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.," and the figure must be distinctly endorsed upon the envelope. Letters will then be forwarded to their proper destination. A price is counted as one word—as, *e.g.*, £1 10*s.* 6*d.*

DEPOSIT OF MONEY.—In order to ensure safety we offer the following system:—The purchaser of anything advertised in the Exchange Column may remit the amount to us, accompanied by a commission of 6*d.* if the amount is £3 or under; and 1*s.* if over that sum. We acknowledge receipt of deposit to both parties, and hold the money until we are satisfied that either the goods are returned to their original owner or the purchase is completed.

Postal orders and cheques sent as deposit must be made payable to Edward Halse, and crossed "Martin's Bank Limited)."

FOR DISPOSAL.

Formulæ.

130 well-tried recipes, general, remedial, veterinary, toilet, neatly copied in book; post free, 1*s.* 6*d.* Tully, Chemist, Hastings.

Recipes: Balsam aniseed, &c., 1*s.*; winter cream, 1*s.*; moustache-grower, 1*s.*; specific toothache, 1*s.* F. H. Slynn, Wroxeter, Warren Road, Rhyl.

Proprietary Articles.

Geraudel's 10*s.*; moonseed bitters, half-price; Nervo Vitæ, 8*d.*; carriage paid. M'Kie, Chemist, Tunstall.

Educational.

Minor books; cheap; list sent; Minor lectures, 5*s.*; microscope, 30*s.*; Southall's materia medica cabinet, 15*s.*; mounted botanical specimens, 7*s.* Burge, 4 Woronzow Terrace, St. John's Wood.

Literature.

Chemist and Druggist, 1882 to 1894 inclusive; what offers, all or part? Moody, 64 Coldharbour Lane, S.E.

What offers for about 200 numbers *Chemist and Druggist*? cash or exchange. Insull, Hanley.

Shop Fittings.

Four-lb. French counter-scales, marble top, brass pans; cost 22*s.*; what offers? Williams, Chemist, Waltham Cross.

The contents of a Chemist's shop for sale, in one lot, recently fitted with the best mahogany fixtures, mahogany glass cases, dispensing-screen, counter, &c.; 520 gold-labelled bottles, specially selected; best quality drugs, many not been unpacked; a boon to a Chemist commencing. Address, Belcher, Blackfriars, Gloucester.

Miscellaneous.

Trusses (eleven inguinal); strong; right and left; adult sizes; slightly soiled in window; 1*s.* 3*d.* each, or 11*s.* 6*d.* the lot, post free. What offer for pear-shaped carboy, about 8 gallons? Yates, Chemist, Boscombe, Bournemouth.

What cash offers for Raphael's opsiometer, never used, cost 45*s.*; also 1 dozen spectacles, cost 36*s.*; 2 dozen at 30*s.*; 5 dozen at 24*s.*; 4 dozen at 18*s.*; 1 dozen at 15*s.*; 1 dozen at 12*s.* 6*d.*; 3 dozen at 12*s.*; 1 dozen at 9*s.*; 1 dozen at 6*s.* 3*d.*; all new goods. Rudd, Westgate, Ripon.

Oil-drums (2 dozen); sizes 12, 10, 6, 4 gallon; 50*s.* the lot. W. King, Biggleswade.

One-gallon glass displacement apparatus; offers, cash or exchange. Insull, Hanley.

WANTED.

Check-till in good condition. Walker, Chemist, Upper Brighton, Liverpool.

Portable vapour-bath. State condition, price, with description, to Palmer, 235 North End Road, Fulham.

Maisch's "Materia Medica" and "Principles of Pharmacognosy," last editions. O. Elliott, Belgrave, Leicester.

Glass case, 5 ft. 3 in. by 6 ft. high; also shop-rounds, with inland glass labels, and a nest of drawers with glass labels. "Manager," 47 Linthorpe Road, Middlesbrough.

Addresses Wanted.

The present address of Rev. Wilmot Wilmot Ware, supposed to live near Hull. Pratt, Pharmacist, Barnstaple.

The present address of C. W. Shepherd, Chemist, late of Ilkley, Yorkshire. 92/55, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

PHILIP JOSEPHS, 54, 68, and 93 OLD STREET, CITY RD., **LONDON, E.C.**

Has always in Stock a large assortment of Second-hand and New Drawers, Counters, Dispensing Screens, Glass Wall and Counter Cases, and every requisite for Fitting-up a Shop within 24 hours at prices less than any other house. Inspection invited.

CLOSED ON SATURDAYS.

OILS & DRYSALTERIES

SAMPLES AND PRICES ON APPLICATION.

J. H. BROWNING & CO., 27 BARTHOLOMEW CLOSE, E.C.

ESTABLISHED HALF A CENTURY.

GEO. TREBLE & SON,

CHEMISTS' SHOP FITTERS.

PLANS AND ESTIMATES SUPPLIED FREE OF CHARGE.

59 AND 61 RHODES STREET, HOLLOWAY, LONDON, N.

THE DEMANDS OF THE

MEDICAL PROFESSION

are now so constant, and constantly increasing, for certain of the

PHARMACEUTICAL SPECIALTIES

MANUFACTURED BY

JOHN WYETH & BROTHER

MANUFACTURING PHARMACEUTICAL CHEMISTS,

PHILADELPHIA, U.S.A., AND 30 SNOW HILL, LONDON, E.C.,

that we subjoin for the benefit of

RETAIL CHEMISTS

a List of Prices of those most frequently demanded :—

WYETH'S BEEF JUICE.
In bottles containing 2 fluid oz. ... ... per doz. **30/-**

WYETH'S DIALYSED IRON.
Regular size bottles (5 fluid oz.), in boxes, with dropper .. per doz. **26/-**
In 1-lb. bottles, for dispensing ... ... per doz. **42/-**

WYETH'S WINE OF TAR.
(Particularly seasonable at this time.) In 16-oz. bottles ... per doz. **16/-**

WYETH'S ELIXIR DIGESTIVE FERMENTS.
In 16-oz. bottles ... ... per doz. **48/-**

WYETH'S GLYCEROLE CHLORIDE OF IRON.
(Non-alcoholic.) In 16-oz. bottles ... ... per doz. **32/-**

WYETH'S PEPSIN, WYETH'S PANCREATIN,
WYETH'S PEPTONIC PILLS, SPENCER'S CHLORAMINE PASTILLES,
ETC., ETC.,

are quoted in Price Lists forwarded on application, with information of Terms and TRADE DISCOUNT, by

WILLIAM F. HORTON,

Resident Representative of JOHN WYETH & BROTHER,
30 SNOW HILL, LONDON, E.C.

All of the Preparations of JOHN WYETH & BROTHER are supplied by the Wholesale Druggists.

SYPHONS & SELTZOGENES

Messrs. J. BARRE JOHNSTONE & CO., 20 Loftus St., Sydney, N.S.W. Agents for New South Wales, Queensland, and New Zealand.

81 ROBERTSON STREET, GLASGOW.

PRICES.

SYPHONS ... 1/6 1/8 and 1/10 each.

SELTZOGENES.

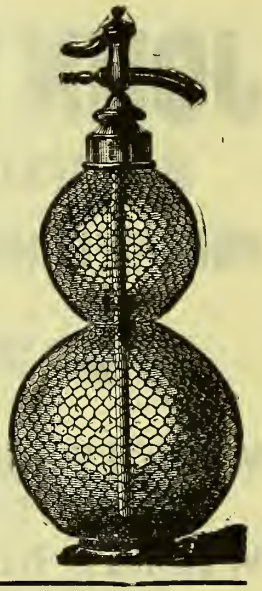
1	2	3	4	5	8 pint.
6/-	6/8	7/6	8/6	10/5	16/- each.

Including two funnels and stopper for charging.

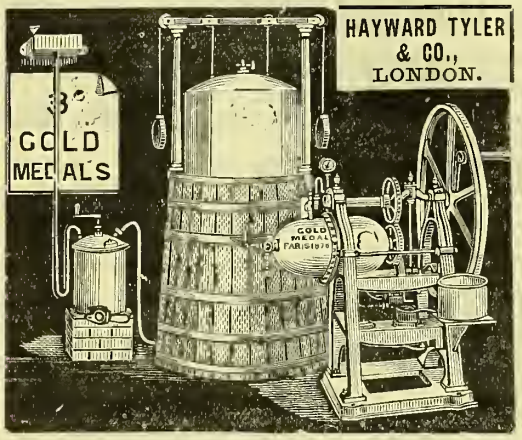
The tops of these Seltzogenes are made of pure block tin, guaranteed

Messrs. NOYES BROS., 43 Queen Street, Melbourne, Victoria, Agents for Victoria, South and West Australia, and Tasmania.

All our Seltzogenes are manufactured on the well-known "Fevre" System, and each one is thoroughly tested before leaving the works.



4 GOLD MEDALS
FOR
AERATED WATER MACHINERY.



COMPLETE PLANTS to produce from 80 dozen to 3,000 dozen per day.

LABOUR-SAVING MACHINERY.

ALL FACTORY REQUISITES.

Latest Improvements, &c.

HAYWARD TYLER & CO.

90 & 92 WHITECROSS STREET, LONDON.

ESTABLISHED NEARLY FIFTY YEARS.

PRIZE MEDALS AWARDED AT ALL THE EXHIBITIONS

EUGENE GERAUT & CO.'S
LATEST
NEW PATENT SELTZOGENE.

PATENT No. 18,305.

For the immediate Preparation of Seltzer Water, Eau de Vichy, Soda Water Sparkling Lemonade, Aërated Waters, &c.

Finding so many complaints through the screws of Seltzogenes getting worn and Customers not screwing taps on tight enough, E. G. & Co. have patented the above improvement in their Seltzogenes, which differs materially from the numerous kinds that have from time to time been introduced, there being no screwing required, thus the machines cannot easily get out of order.

In place of Screw on Tap, there is a Clip, which is easily fastened to the Seltzogene, any Child being able to Screw the little Key at Top, and making perfectly Air-tight the Apparatus.

WEAR AND WORKING GUARANTEED. NO MORE SCREWING REQUIRED. TAP CANNOT GET CORRODED.

CONTRACTORS TO HER MAJESTY'S GOVERNMENT.

SOLE ADDRESS—

139 & 141 Farringdon Rd., LONDON, E.C.

Gasogenes and Seltzogenes Repaired.

BARNETT & FOSTER,

MANUFACTURERS.

THE "COMPACT" CONTINUOUS ACTION

SODA-WATER MACHINE.

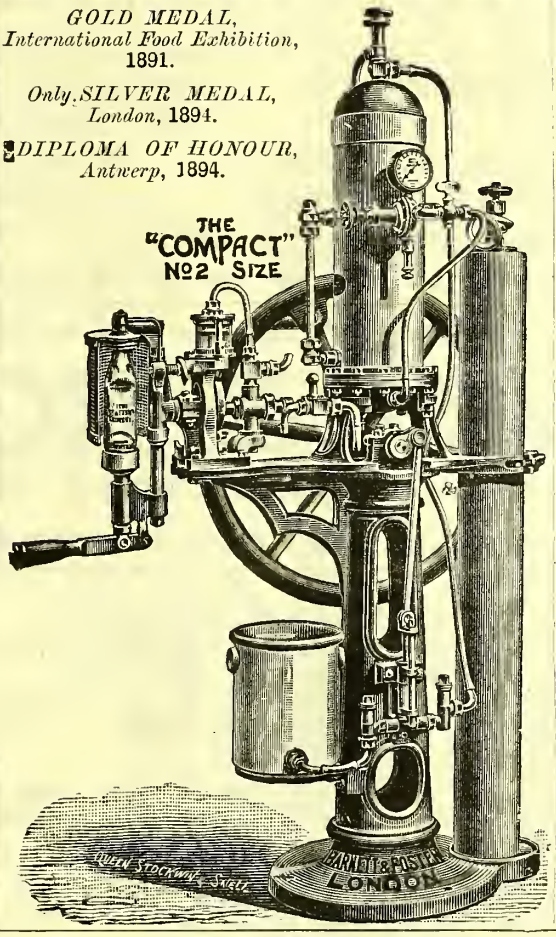
Specially designed for use where space is an object, and for those having a large retail trade, such as Chemists, Hospitals, Restaurateurs, Hotel Proprietors, &c. They are ready for work immediately, require no fixing, and produce Aërated Waters of the very highest quality at a minimum of cost.

NO DANGER.
NO MESS.
PERFECTLY RELIABLE.

GOLD MEDAL, International Food Exhibition, 1891.

Only SILVER MEDAL, London, 1894.

DIPLOMA OF HONOUR, Antwerp, 1894.



NOTE.—These Machines are not Toys, but thoroughly well-made Machines, and will last many years with hard working. We guarantee to produce a better article with these than any other system adapted for using the Liquefied gas, and at a lower pressure, thus effecting an immense saving in broken bottles, and also reducing risk of accidents.

In use by Leading Chemists in all parts of the United Kingdom.

TWO FILLERS INCLUDED.

No. 1 Size, complete with Turnover and Syphon-filling Machine, and fitted with fast and loose Pulleys for driving by power ... Code word (*Supremacy*) **£60**
Producing Capacity by Hand-power 600 dozen per day.
" " Power 1,200 " "

No. 2 Size, complete with Turnover and Syphon-filling Machine Code word (*Royalist*) **£48**
Producing Capacity by Hand-power 350 dozen per day.
" " Power 700 " "

No. 3 Size, complete with Turnover or Syphon-filling Machine ... ... Code word (*Retailer*) **£33**
Producing Capacity by Hand-power 200 dozen per day.

Syrup Pump fitted to the Turnover Filling Machine on either of above (*Injecto*) £2 extra. If fitted with one Filling Machine only, the two largest Machines are charged £3 less than above prices.

SOLE INVENTORS AND MANUFACTURERS OF THE

"NIAGARA" BOTTLE AND THE LONDON-MADE SYPHON

KNOWN ALL OVER THE WORLD.

Illustrated Descriptive Catalogue of every requirement for the Mineral Water Trade on application.

NIAGARA WORKS, 26T EAGLE WHARF ROAD, LONDON, N.

'OBERBRUNNEN' MINERAL WATER

OF GREAT VALUE IN GOUT.

"Of all the Mineral Springs at Salzbrunn, the Oberbrunnen is the most employed for drinking purposes, as a remedial agent in particular."—PROFESSOR FRESENIUS.

The use of the "Oberbrunnen" Water is indicated in the following conditions:—

GOUT
URIC ACID DIATHESIS
GALL STONES
HEPATIC DERANGEMENTS
INTESTINAL CATARRH
ANÆMIA CHLOROSIS

THROAT AFFECTION
LARYNGEAL CATARRH
PULMONARY EMPHYSEMA
TUBERCULAR DIATHESIS
SCROFULA
RICKETS

Trade price 9/- per dozen, or 36/- per case of 50 bottles, CARRIAGE PAID.

Samples and Pamphlet free on application to the Sole Importers—

INGRAM & ROYLE.

LONDON: 52 Farringdon St., E.C. LIVERPOOL: 19 South John St.

DETAILED PRICE LIST (CARRIAGE PAID) OF ALL NATURAL MINERAL WATERS ON APPLICATION

Sugar Free.

Carefully Standardised.

Prepared by Actual Champagne Growers.

Prescribed as the Best Restorative Tonic, and in cases of Insomnia, Neurasthenia, etc.

In Bottles, 2/- and 3/9.

Full Particulars of HERTZ & COLLINGWOOD, 4 SUSSEX PLACE, LONDON, E.C.

THE PASTEUR GERM FILTER.

The PASTEUR FILTER prevents the passage of Microbes of any kind, is difficult to break and easy to clear, and is effectual in preventing Epidemics of Cholera, Typhoid Fever, Diarrhœa, and similar diseases.

The British Medical Journal (August 25, 1894) says:—"Its application for some years in 200,000 quarters of the French Army has shown that *it is effectual in preventing epidemics of Cholera, Typhoid Fever, Diarrhœa,* and *similar diseases.*"

M. de Freycinet (Report of Minister of War to President of the French Republic, *Journal Officiel*, February 14, 1892) says:—"*Wherever the Pasteur Filter has been applied* to water previously bad, *Typhoid Fever has disappeared.*" At this date over 200,000 quarters of the French Army were fitted with Pasteur Filters.

Sir Henry E. Roscoe, M.P., Ph.D., F.R.S. (*Westminster Gazette*, September 8, 1893), says:—"Ordinary filters are no good at all. The *only filter that protects the water-drinker* from the germs is the *Pasteur Filter.*"

After eight months' investigation in the Public Health Laboratory of the University of Edinburgh to estimate the value, in prevention of disease, of the best known Carbon and Asbestos Filters, of the Pasteur Filter, and of a copy of it in another material, Dr. H. H. Johnston, D.Sc., M.D., C.M., states:—"*The Pasteur-Chamberland Filter is undoubtedly the best, and the only one in which reliance can be placed* for permanently sterilising drinking water."

Made in a variety of Patterns for Industrial and Domestic purposes.

J. DEFRIES & SONS, LIMITED,
SANITARY DEPARTMENT, LONDON, E.C.

ANOTHER SUCCESS

FOR

IDRIS ROYAL TABLE WATERS

IDRIS & CO.

Have obtained the

ONLY GOLD MEDAL

Awarded to Mineral Water Manufacturers of Great Britain

At the ANTWERP EXHIBITION.

FIVE OTHER GOLD MEDALS AWARDED AT RECENT EXHIBITIONS.

All Chemists should Sell these Well Known Waters, which command the Largest Sale.

PRICE LIST & SAMPLES FREE.

IDRIS & CO., LTD.

PRATT STREET, CAMDEN TOWN, N.W

W. H. & F. J. HORNIMAN & CO., LTD.

ORIGINAL IMPORTERS OF THE PURE TEA IN PACKETS.

Blended from the finest Spring Crops of the best gardens in India, China & Ceylon.

BUY DIRECT FROM THE IMPORTERS THE BEST AND CHEAPEST PACKET TEAS IN THE WORLD.

For sixty years Horniman's Pure Tea has been celebrated for its high quality, great strength, and delicious flavour.

Certificates of Analysis from ARTHUR HILL HASSALL, M.D., and GRANVILLE H. SHARPE, F.C.S.

The demand is daily increasing from all parts of the country. With opening parcel are enclosed handsome Showcards, Transparencies, Bills, &c. Agents' Names are advertised at Railway Stations and in Local Newspapers.

ALL CHEMISTS AND DRUGGISTS SHOULD SELL

HORNIMAN'S PURE TEA

ON ACCOUNT OF ITS HIGHLY NUTRITIVE AND DIGESTIVE PROPERTIES.

Every Packet bears the signature and Registered Trade Mark of the Company as a guarantee of Purity.

LIBERAL PROFIT TO AGENTS.

FOR TERMS, WHOLESALE AND EXPORT, APPLY BY LETTER TO

THE SECRETARY, W. H. & F. J. HORNIMAN & CO., LIM.

28, 29, 30, 31, 32 & 33 Wormwood St., LONDON, E.C.

Teas blended in Bond for Export, put up in Tins and Packets suitable for all parts of the World.

Bonded Stores ... ... BROOK'S WHARF, THAMES STREET.

TOWER TEA

FIVE HIGHEST AWARDS, LONDON & PARIS.

None genuine without both the Registered Trade Mark and also the signature

Tower Tea

TOWER TEA daily gains in popularity with the public.
TOWER TEA is neatly packed in smart and pretty packets.
TOWER TEA is retailed at prices ranging from 1/- to 2/8 per pound.
TOWER TEA is sold by Chemists in all parts of the United Kingdom.
TOWER TEA advertisements are suitable for high-class Chemists' establishments.

WHERE VACANCIES EXIST, AGENTS ARE APPOINTED BY

THE GREAT TOWER STREET TEA CO., LTD., 5 JEWRY STREET, LONDON, E.C.

Fischer & Schmitt's

Hoechst o/M, Germany

"STAR" "ANCHOR" & "CAMERA-STAR"

SIX MEDALS **GELATINES** SIX MEDALS

ALWAYS UNIFORM STANDARD QUALITIES

WHOLESALE TRADE ONLY SUPPLIED.

JOSEPH HEINE & CO.
Sole Agents,
103 & 104 Fenchurch Street,
LONDON, E.C.

ESTABLISHED 1872.
TELEGRAMS: VISURGA, LONDON

ASTLEY COOPER'S PURE ENGLISH GELATINES.

MEDICAL OPINIONS.

The Lancet.—An admirable degree of Purity and Transparency.
British Medical Journal.—Good Gelatine of excellent quality.
Chemist and Druggist.—Of extreme purity.

THEY ARE CHEAPER THAN FOREIGN, and absolutely free from Sulphur, Acid, and all Chemicals. Samples and prices free from th

Sole Manufacturers,

ASTLEY COOPER & CO.

Analytical Consulting & Manufacturing Chemists, LEEDS.

PETER TYRER'S SAUCES

WORCESTER, READING, HARVIE, YORKSHIRE, AND "BOROUGH" KETCHUP.

SILVER MEDAL.

		Per gross.	Extra quality.
1d. Sample Bottles, dozen parcels		5/3	6/3
" " ½-gross boxes		5/9	6/9
1d. Giant " dozen parcels		6/-	8/6
" " ½-gross boxes		6/6	9/-

		Per gross.	Extra quality
½ Bottles, flat or round, reputed half-pints		16/-	28/-
¾ " " " pints		28/-	38/-
1 Pint Imperial, round stoppered bottles		52/-	82/-
12½-Gallon Casks (*casks free*)	each	20/-	32/-

ROYAL CAFE SAUCE, a Rich Fruity and Exquisite Flavour.

Square Glass Stoppered Bottles, containing nearly ½-pint Imperial, 42/- per gross. Sample Bottles at 7/- per gross.

MANUFACTORY — 30 SOUTHALL PLACE, LONG LANE, BOROUGH, LONDON, S.E.

CHIEF SCOTCH AGENCY — West Nile Street, GLASGOW.

A. MILLAR & CO., DUBLIN

PURE ORANGE WINE

(VINUM AURANTII, B.P.), prepared in strict accordance with the Formula of the British Pharmacopœia.

VINEGAR

COMMANDS A PREFERENCE OVER ALL OTHERS.

WORKS { Corner of Old Street and City Road, } LONDON

ESTABLISHED OVER 200 YEARS.

NEEDS NO GUARANTEE.

HIRST, BROOKE & HIRST (LIM.), LEEDS.

Manufacturing Chemists and Wholesale Druggists, Manufacturers of

ORANGE WINE

Of Finest Flavour and Quality, and specially suitable for the Preparation of Orange Quinine Wine.

MACHINE-CUT

LEMON AND SEVILLE ORANGE PEELS

(FRESH or DRIED).

Seville Oranges and Messina Lemons are now arriving, and we are prepared to supply the *specially* machine-cut Peels which have given such general satisfaction to the trade since their introduction. The **Fresh Peels** are cut *free from pith* in small shreds (about 1" × $\frac{1}{16}$"), a condition acknowledged to be the most favourable for the manufacture of Official Tinctures and Infusions and of Soluble Essences.

The **DRIED PEELS** are cut as free from pith as possible, and every care is taken in drying to preserve the colour and aroma.

Samples will be sent free on application.

CHAS. SOUTHWELL & CO.

DOCKHEAD, S.E.

JAMES BOULTON & CO., LIM.

CHEMICAL MANUFACTURERS,

CRAYFORD MILLS, STRATFORD, LONDON.

Manufacturers of the Finest Steam-made

GRANULAR EFFERVESCENT PREPARATIONS

ACETIC ACID. ACETATE POTASSIUM

SPIRIT AND VINEGAR COLOURING.

GLYCERINE FRUIT ESSENCES, &c.

Sole Proprietors and Manufacturers of

THE NEW PRESERVATIVE:

SEMPER-DULCIS OR EVER-SWEET,

For Milk, Cream, Butter, Sausages, &c., &c.

FINEST BUTTER-COLOUR (Buttercup Brand)

SEND FOR QUOTATIONS.

EIGHT PRIZE MEDALS AWARDED.

GOODALL'S

HOUSEHOLD SPECIALITIES.

YORKSHIRE RELISH.

Most Delicious Sauce in the World. Bottles, 6*d.*, 1*s.*, & 2*s.* each.

GOODALL'S BAKING POWDER.

The Best in the World. 1*d.* packets; 6*d.*, 1*s.*, 2*s.*, and 5*s.* Tins.

GOODALL'S EGG POWDER.

One 6d. Tin is equal to 25 Eggs. In 1*d.* packets; 6*d.*, 1*s.*, and 5*s.* Tins.

GOODALL'S CUSTARD POWDER.

Delicious Custards without Eggs. In Boxes, 3*d.*, 6*d.*, & 1*s.* each.

GOODALL'S BLANCMANGE POWDER

Delicious Blancmange in a Few Minutes. Boxes, 6*d.* and 1*s.* each.

GOODALL'S QUININE WINE, B.P.

Best Tonic yet Introduced. Bottles, 6*d.*, 1*s.*, and 2*s.* each.

GOODALL'S GINGER-BEER POWDER.

Makes the Best Ginger-Beer. Packets, 3*d.* and 6*d.*

GOODALL'S BRUNSWICK BLACK.

For Painting Stoves, Grates, Iron, Tin, &c. 6*d.* and 1*s.* Bottles.

GOODALL'S LAVENDER WATER.

Rich and Lasting Perfume. Bottles, 1*s.*, 2*s.*, and 5*s.* each.

GOODALL'S PLATE POWDER.

For Polishing and Cleaning all Metals. Boxes, 6*d.*, 1*s.*, and 2*s.*

GOODALL'S JELLY SQUARES.

Make a Delicious and Nutritious Jelly. In ½-pint, 1-pint, and Quart Boxes, 3*d.*, 6*d.*, and 1*s.* each.

PROPRIETORS—GOODALL, BACKHOUSE & CO., LEEDS.

PATENT MEDICINES AND

DRUGGISTS' SUNDRIES.

Monthly Price List of Patent Medicines, Druggists' Sundries, &c., will be sent post free on application to

GOODALL, BACKHOUSE & CO., LEEDS.

FRAENKEL BROTHERS,

TRADE MARK.

CIGAR AND CIGARETTE MANUFACTURERS, AND IMPORTERS OF PIPES, POUCHES, &c.,

81, 82, 83, & 84 HOUNDSDITCH, LONDON, E.C.

SHIPPERS SUPPLIED.

Complete Illustrated Catalogue Post Free.

Manufacturers of the famous "DON JORGE" Cigars and Cigarettes.

A REVOLUTION IN TRADE.

TOBACCO AND CIGARS, "MIXED PARCELS."

Every Requisite for the Smoker in One Order.

MINIMUM OF TROUBLE. MAXIMUM OF PROFITS.

Every known Manufacturer's Packet Tobaccos and Cigarettes at their List Prices. Foreign Cigars and Tobacconists' Fancy Goods at Importers' Prices. Carriage paid on parcels of £2 upwards to any station in the United Kingdom.

SINGLETON & COLE, Limited,

TOBACCONISTS' FACTORS,

TOBACCO, SNUFF, CIGARETTE, & CIGAR MANUFACTURERS AND IMPORTERS.

11, 12, 13, 14, 15, & 16 Cannon Street, BIRMINGHAM.

All Dealers in Tobacco, Cigars, Cigarettes, or Tobacconists' Fancy Goods should send P. C. for a copy of our Illustrated Price List. It is simply invaluable as a reference and guide to the Trade, and new beginners gather much useful information from it, thereby gaining experience and saving time and money.

BY HER MAJESTY'S ROYAL LETTERS PATENT.

CÉREBOS ?

Recent Scientific and Influential Opinions.

From SIR CHARLES A. CAMERON, M.D., D.P.H. Cambridge, F.R.C.S.I., M.R.C.P.I., F.I.C., Professor of Chemistry, R.C.S.I., Medical Officer of Health for Dublin, City and County Analyst:—

"I have carefully examined a specimen of 'Cérebos Salt' prepared by the Cérebos Salt Co., Ltd., Newcastle-on-Tyne. It includes a substantial proportion of Phosphates, such as are necessary to the formation of bone and muscle. I consider it a very nice form in which to take the Salt as a condiment, whilst at the same time introducing to the system valuable Phosphates."

From T. H. WALKER, L.R.C.P., F.C.S., &c., Extraordinary Member of the Royal Medical Society; Public Analyst for the City of Carlisle; late Medical Officer for Longtown:—

"Cérebos Salt. This preparation (being a food) can be taken with absolute safety, and generally with great benefit, by persons of all ages, and it will be of especial advantage to young and delicate children."

From A. BLAIR, M.B., C.M., Ashington, Northumberland:—

"Cérebos Salt. On the sound basis of chemical analysis and physiological principle, I am freely recommending it for general and constant use. In my own household no other is used."

PRICES 6d. and 1s.

Full Particulars and Samples Free. (*Correspondence invited.*)

CÉREBOS SALT CO., Ltd.

NEWCASTLE-ON-TYNE, & 134 UPPER THAMES ST., LONDON, E.C.

DRUGGISTS' CONFECTIONERY.

MESSRS.

ROBERT GIBSON & SONS,

CARLTON WORKS, MANCHESTER,

And No. 1 GLASSHOUSE YARD, ALDERSGATE ST., LONDON,

Have now completed their **EXTENSIVE ALTERATIONS,** New Machinery and the most modern Appliances making their works the most complete of the kind in the Kingdom.

GIBSON'S SUPERIOR

BOILED SUGARS

Have gained a high reputation everywhere. **FOR EXPORT TRADE.** They are put up in 1-lb., 2-lb., and 5-lb. Bottles. Packed in Casks or in 1-doz. Cases as required, and delivered F.O.B. at any Port in England. These Sweets are absolutely pure. We specially recommend

Lime Fruit Tablets, Everton Toffy, Mixed Fruit Drops, Cough Drops, Raspberry Drops, Lemon Tablets.

COMPRESSED PELLETS.

ALL KINDS IN ANY QUANTITIES.

CHLORATE OF POTASH PELLETS

IN 1-CWT. ORIGINAL BARRELS. BARRELS FREE.

HIGH-CLASS LOZENGES

OF EVERY DESCRIPTION.

THROAT HOSPITAL LOZENGES, COUGH LOZENGES, VOICE LOZENGES, TOP-NOTE PRODUCERS, &c., &c.

Indents from abroad, marked "GIBSON," may be sent to any Wholesale Drug or Shipping House in the Kingdom. [2]

Price Lists sent on application to

ROBERT GIBSON & SONS, Carlton Works, MANCHESTER.

AN EXCELLENT
Peptonised
Emulsion of
Cod Liver Oil
Is easily made with
Armour's Glycerole
Pancreatin.
See Recipe in
ARMOUR'S FORMULARY,
4th Edition, sent free.

A SEASONABLE SUGGESTION.
DON'T STAND STILL,
But keep Moving
Armour's Pharmaceutical Products.

Armour's
Pure Pepsin Tablets
(3 Gr.),
COATED OR UNCOATED,
SELL READILY.
Show Tablets,
Gold Embossed Leaflets,
And Special Matter bearing
Customer's Name, sent
free.

Armour & Co. guarantee their Standard Pepsin to answer the new U.S.P. test, and to be 5 times the strength of Pepsin B.P.

TESTING SAMPLES FREE.

ARMOUR
& CO.

TRADE MARK.

London Office:
59 Tooley Street,
S.E.

CAUTION.—This guarantee of strength only applies to original bottles (1oz., 4 oz., 8 oz., and 1 lb.), bearing the regular Armour Label—and the Shield Trade Mark as here shown.

It is never called a liebig.
Armour's
Extract of Beef
Pays a Chemist Best to Sell.
Good Profit. No Cutting.
Best Quality.

SAMPLES and SPECIMENS
of Printed Matter, Show
Cards, &c.,
sent gratis on application.

A Fluid Beef Extract.
Armour's
Vigoral
FOR
Strength,
Nourishment.
and Refreshment.
A Real Beef Food.

"THE KEPLER EXTRACT OF MALT IS SOUND AND RELIABLE."

—*British Medical Journal.*

The Valuable Constituents of Kepler Malt Extract are:—

(*a*) **DIASTASE.** The digestive principle which converts starch into maltose.
(*b*) **PROTEIDS and PEPTONES.** Compensatory of tissue metamorphosis and force expenditure.
(*c*) **MALTOSE** (Malt Sugar). Vitalising, force-producing, and demulcent.
(*d*) **DEXTRINS** (Peptogens). Nutrients which evoke free flow of gastric juice.
(*e*) **PHOSPHATES.** Alteratives, and food for bone and brain.

THE BRITISH MEDICAL JOURNAL

Reported as follows:—

"This (the Kepler) Improved Malt Extract has now been under trial for some time, and is very favourably spoken of by physicians, both in respect to its nutritive and digestive properties, and as being of very agreeable flavour. It is concentrated *in vacuo*, and, being prepared at a very low temperature, its qualities are not deteriorated nor is its flavour spoiled in the preparation. We can recommend the Kepler Malt Extract as being of very high quality indeed."

THE LANCET

Reported upon the Kepler Extract of Malt as follows:—

"It is the best known and, in this country, the largest used Extract of Malt. It is as distinct an advance in therapeutics as was the introduction of cod-liver oil. It is one of our best nutritive and digestive agents for chronic dyspepsia, and is undoubtedly useful in consumption and other wasting diseases."

Why is the Kepler Extract of Malt recommended by the BRITISH MEDICAL JOURNAL as a thoroughly sound and reliable preparation? **Firstly:** Because it is made from the choicest barley only. **Secondly:** Because barley contains more choice ingredients obtainable by malting than any other grain. **Thirdly:** Because no grain malts like barley. **Fourthly:** Because the Kepler Extract is prepared at every stage by the most improved and scientific processes. **Fifthly:** Because nothing is wasted, and the digestive, nutritive, and alterative principles of the grain are secured. **Sixthly:** Because nothing insoluble and indigestible is retained. **Seventhly:** Because in taste it is as delicious as honey. **Eighthly:** Because in the system none of it is lost, and it is all easily absorbed. **Ninthly:** Because there is no such agreeable substitute for cod-liver oil.

The Kepler Extract of Malt may be advantageously used to sweeten coffee, hominy, rice, corn flour, gruels, porridge, &c., and is an invaluable adjunct to peptonised milk for infants and invalids. Spread on their bread children like it extremely and thrive upon it. Added to peptonised milk and eggs well beaten and then stirred up with a little brandy, the Kepler Extract of Malt proves an excellent roborant.

The Kepler Extract of Malt supplied to the Trade in ¾ lb. & 1½-lb. bottles, at 20/- & 36/- per doz. bottles.

BURROUGHS, WELLCOME & CO., MANUFACTURING CHEMISTS.

LONDON—Snow Hill Buildings.
NEW YORK—Rhinelander Building, Rose & Duane Streets.
MELBOURNE—456 Collins Street West.
PARIS—Pharmacie Centrale de France.
BRUSSELS—Chas. Delacre & Co.
TRIESTE—Pharmacie Serravallo.
VIENNA—The Feld Apotheke, Stefansplatz 8.
BUDAPEST—Pharmacie Torok.

Cable and Telegraphic Address—"BURCOME LONDON."

FURTHER REDUCTION IN PRICES OF "VASELINE."

"VASELINE" (Pure). Card Cases.	No. 1 size, 3/0½; No. 2, 6/1; ½-lb. Tins, 7/-; 1-lb. Tins, 12/- per doz.
"VASELINE," Blue Seal.	No. 1 size, 21/-, and No. 2 size, 42/- per gross.
"VASELINE" Cold Cream.	No. 1 size, 4/9; No. 2, 7/-; No. 3, 12/-; No. 4, 21/- per doz.
"VASELINE" Camphor Ice.	Tins or Tubes, 3/0½ per doz.
POMADE "VASELINE."	No. 1 size, 3/11, and No. 2 size, 7/10 per doz.
"VASELINE" Toilet Soaps.	Unscented, Perfumed, or Tar, 20/6 per gross.

CHESEBROUGH MANUFACTURING CO., 42 Holborn Viaduct, LONDON, E.C.

PROPRIETORS AND SOLE MAKERS OF "VASELINE."

"HAZELINE" CREAM OINTMENT.

So largely has "Hazeline" Cream been used as an emollient, astringent, and soothing agent upon the mucous membrane and anal surface, that on the recommendation of competent authorities a special form of vulcanite nozzle has been made to fit the collapsable tubes in which "Hazeline" Cream is supplied. This contrivance is very highly appreciated for self-application, the vulcanite nozzle being bent to a convenient angle to facilitate the safe and easy application of the Cream. In wintry weather, all exposed surfaces of the skin and all parts liable to attack by biting winds and sharp frost, may well be occasionally anointed with a little "Hazeline" Cream. Those who have experienced its protective and emollient qualities speak very highly of it in this connection. In winter much may be done to keep the skin in a comfortable and healthy condition by rubbing a little over the exposed surfaces once or twice a week, and in cases where the skin has become cracked and broken a nightly use of this preparation will do much to assist the healing process. The dried, parched-up appearance of the face after exposure to a cutting wind may easily be removed by a slight application of "Hazeline" Cream.

"Hazeline" Cream supplied to the Trade in Collapsable Tubes at 4/6 and 8/6 per doz., and in Glass Pots at 8/6 per doz.
Vulcanite Nozzles, 12/- per dozen.

BURROUGHS, WELLCOME & CO., SNOW HILL BUILDINGS, E.C.

PUBLISHED 1894.

Sixteenth Edition. Much Enlarged, and Revised up to date. Price 12s. 6d.

SQUIRE'S COMPANION

TO THE

BRITISH PHARMACOPŒIA.

"No man who has the faintest aspiration to be in the van of pharmaceutical progress can afford to ignore the claims this exact and comprehensive epitome of pharmaceutical information has to a place at his elbow."—*Chemist and Druggist*, March 24, 1894.

"As representing the actual condition of pharmaceutical practice in the United Kingdom, the work has, however, long since far out-grown the latest edition of the Pharmacopœia, to which it was originally intended to serve as a companion, and, as containing a store of valuable information, it may now be regarded as in many respects anticipating the next issue of that authority. Few statements as to which any doubt existed have been adopted without careful examination."—*Pharmaceutical Journal*, June 16, 1894.

"It is considerably ahead of the average text-books, and affords a valuable standard of reference to those who are anxious to keep pace with pharmaceutical advances, the allusions relating in many instances to current literature bearing the date of the present year."—*Lancet*, March 24, 1894.

"The present edition has evidently been revised with the greatest care, of which evidences are to be found on almost every page. Altogether, the improvements are so great that many of those who already possess the work will find it worth while to have the new issue."—*Practitioner*, June, 1894.

"The contents extend far beyond the limits of the Pharmacopœia, as a very large number of unofficial drugs and preparations are considered with the same care and minuteness as the others."—*British Medical Journal*, June 16, 1894.

London: J. & A. CHURCHILL, 11 New Burlington Street, W.

THE CHEMIST AND DRUGGIST

ESTABLISHED 1859.

CHIEF OFFICES: 42 CANNON STREET, LONDON, E.C.
BRANCH OFFICES: 231 ELIZABETH STREET, MELBOURNE, VICTORIA, AND EMPIRE CHAMBERS, YORK STREET, SYDNEY, N.S.W.

CONTENTS: Vol. XLVI. No. 2.

	PAGE
Bankruptcy Reports	43
Business Changes	53
Correspondence	61
Counter Practice	45
Deaths	55
Deed of Arrangement	55
Editorial Comments:—	
The Pharmacopœia	48
Our Foreign Trade in 1894	49
The Ipecacuanha Allowances	50
Notes	51
English News	34
Foreign and Colonial News	48
French News	48
Gazette	55
Indian Medical Congress	44
Irish News	35
Legal Reports	41
Marriages	55
New Books	53
New Companies	47
Next Week	62
Personalities	54
Pharmaceutical Society of Great Britain:—	
Council Meeting	37
Examination Results	38
Preliminary Examination Questions	39
Pharmaceutical Society of Ireland:—	
Council Meeting	40
Recent Patents	36
Reviews	52
Scotch News	36
The Winter Session	47
Trade-marks Applied for	55
Trade Notes	53
Trade Reports	56

POSTCARD COMPETITION.

JANUARY.

One guinea will be paid for the best conundrum, or other form of puzzle or riddle, concisely expressed and having a pharmaceutical or chemical or drug-trade bearing, sent in to us not later than January 19, 1895. The conundrum may or may not be original, but other considerations being equal, originality will be a point affecting the award. As an illustration of the style of the thing we want, we quote the following very ancient conundrum: "Why are quinine and gentian like Bismarck and Moltke? Because they are two-tonics." In all cases answers must be appended, and subscribers, their families, and assistants are all eligible to compete.

OUR WINTER ISSUE.

THE CHEMIST AND DRUGGIST of January 26 will be one of the elaborate half-yearly editions which have become so popular with the trade all over the world as to be looked forward to with expectation. The literary portion will be good—better, we hope, than any of its predecessors—and in outward appearance it will, from the artistic point of view be ahead of anything previously attempted. So that, apart from its circulation to eleven thousand of the best buyers of druggists' goods in the world, the issue will be one peculiarly advantageous to advertisers, one in which they should be sure to have an announcement. We would call attention particularly to the fact that we can receive and stitch in with the issue printed circulars or price-lists supplied to us by firms, and we offer such advantages in distributing these, it is the experience of those who have tried, that it is not only a cheap way of advertising, but one of the best means for improving business. The publisher will be glad to give particulars regarding the insertion of such circulars to any who apply.

Summary.

A CANCER DOCTOR at Waterford has had to pay a patient for unskilful treatment (p. 36).

A HAWICK druggist died this week from an abdominal injury caused on the curling-pond (p. 36).

WE print the questions given at the Pharmaceutical Preliminary examination in Great Britain this week (p. 39).

MESSRS. JAMES WOOLLEY, SONS & CO., of Manchester, have registered their business as a limited company (p. 46).

THE foreign trade of this country was not particularly bright in 1894, as may be seen by reading the article on p. 39.

WE give abstracts of some of the papers read in the Pharmacological Section of the Indian Medical Congress (p. 44).

NEW proposals in regard to the sale of ipecacuanha were discussed at the drug-auctions on Wednesday, and are commented upon on p. 40.

WE print a further instalment of recipes for counter practice, most of them referring to complaints that are common just now (p. 45).

WE are compelled to hold over several letters on the widows' clause and other subjects, but we print a budget of replies to correspondents (p. 61).

THE names of those who passed the Major examination in London this month, and of those who passed the Major and Minor in Edinburgh are given on pages 38 and 39.

IN an Editorial note we deal with proposals which have lately been made to add to the British Pharmacopœia formulæ for medicines in common use and not yet official (p. 38).

DR. DUFFEY has reported most favourably to the Lord Lieutenant on the Irish Pharmaceutical examinations. This matter was the principal subject at the Council meeting reported on p 40.

A CHEMIST'S manager at Streatham has to pay damages for assaulting a lady-tenant (p. 42), and a chemist formerly in business at Bournemouth is fined 1*l.* and bound over for assaulting his wife (p. 35).

A YORK chemist has been proceeded against for selling tr. rhei weak in spirit. Part of the defence was that a chemist is at liberty to improve upon B P. methods, and the Magistrates dismissed the case (p. 42).

GINGER in the root has been found to have been partially exhausted, and a tea-company at Burslem have been fined for selling the article. Previous prosecutions in regard to ginger have dealt with the powder only (p. 43).

OUR Paris correspondent reports a trial for an omission of musk from a prescription. The pharmacien's defence was that his assistant made it up, so he was not liable. But the Judge held that the law was to the contrary, and imposed a fine of 500f. (p. 47).

DR. HARVEY ATTFIELD has communicated a paper to the Society of Chemical Industry on a natural sodium-sulphate lake in Wyoming. He traced the origin of the sulphate, and showed that the lake was not a good investment for the syndicate by whom he was employed (p. 46).

THE Pharmaceutical Council have elected Mr. William Warren (an ex-councillor), of London, to succeed Mr. A. C. Abraham, of Liverpool. The business at the meeting was of a routine nature chiefly, but it was decided to draft another Pharmacy Bill, and the President outlined what it may contain (pp. 37-38).

WE report two vinegar-prosecutions. In Glasgow, a grocer was summoned for selling a malt vinegar which, the prosecution alleged, contained only 5 per cent. of malt vinegar; but the defence succeeded in proving that it was a distilled malt vinegar, coloured. In Nottingham a grocer was fined for making a false description (p 41).

The Editor is obliged to correspondents who send local newspapers containing items of interest to the trade. He will be further obliged if such paragraphs be marked in all cases.

"Extract" Dinner.

As has been their wont for a decade past, Messrs. Newball & Mason, of Nottingham, invited their employés to dinner on December 28 last, and at 6 30 that evening a large company sat down to a feast as satisfying and elegant as anything which comes from the Hyson Green Works. It was noticeable that the beverages were not exclusively of "Extract" origin. Mr T. Mason was the Chairman, and his courteous partner, Mr. B. Deaville, Vice-Chairman. The programme of *post-prandial* extras was a long affair and artistic. On the front cover were portraits of the chairmen and a sketch of the works. The interior showed on one side "The man who broke the bank," a facetious sketch of Mr. Mason in his favourite character introducing Part II. The first part, with the loyal toasts, by that time had disappeared. There were 20 songs. &c. in the second part, amongst them the dramatic sketch "Poor Peter; or, the Runaway Slave," and a tug of war between married and single. The third part was introduced with a sketch of the "Extract" Paderewski who raised crotchets and quavers at such a terrific rate that Mr. Brittain's harp selection was regarded as an agreeable set-off. Nine-and-twenty songs and recitations filled up the rest of the evening; and it was all so delightful and so successful that as the guests wended their way home they wondered where were the higher heights they had to climb when the twelfth dinner comes along.

The Demon Paste Swindler.

Albert Batchelor (36), charged with obtaining, by means of fraud, 10*l.* from Charles Randall, and 25*l.* from Arthur Emanuel Brown, was tried at the Portsmouth Quarter Sessions on January 4. Prisoner advertised for agents for "Price & Co.'s Demon Paste," a preparation which was represented as having phenomenal qualities in connection with the growth of moustaches, &c., and the prosecutors parted with the money as cash security on appointment as agents on certain representations. The circumstances have already been reported. The jury found the prisoner guilty, and he was sentenced to three years' penal servitude and a week's imprisonment, the Recorder remarking that it was a very bad case.

Drank a Bottleful of Chlorodyne.

A clerk at the Hafod Isha Works at Swansea, named W. H. Grave, not feeling well, bought a bottle of chlorodyne, and took the whole of it for a dose. He said he did this inadvertently, but having done it he had the sense to call a policeman and ask him to fetch a doctor. Dr. Charles came, and. having administered an emetic, had the man removed to the hospital, where, under proper medical treatment, he recovered.

Difficulties of Analysts.

In his quarterly report to the County Council of the West Riding, Mr. A H. Allen, the county analyst, says that during the quarter he examined fifteen samples of ground ginger. Twelve of them were genuine, and of the others one was of a suspicious character, one was adulterated with 30 per cent. of exhausted ginger, and the other contained about 10 per cent. of hydrated sulphate of lime. This existed in the form of fibrous gypsum, and, in Mr. Allen's opinion, must have been added intentionally. He reminds the Council of a case referred to in his last quarterly report, in which the Somerset House authorities were appealed to, and which was dismissed. As a consequence of the position taken up by the referees, Mr. Allen says it is possible for 5 per cent. of warehouse sweepings or any other rubbish to be added to all ground ginger. In this connection he again directs the attention of the County Council to some previous remarks of his on the subject, setting forth the difficulties under which public analysts work, and the liability to have their certificates contradicted by appeal to the chemists at Somerset House, whose opinions may be based on wholly different data. Mr. Bannister, one of the official referees under the Act, had professed his utter inability to give any assistance in laying down standards, or any information respecting the practice in the laboratory of which he is deputy principal. Further in his report Mr. Allen mentions a sample submitted to him of "linseed, liquorice, and chlorodyne lozenges." This is given as an instance of a sample on which it is impossible to report satisfactorily. The lozenges appeared to contain an extract of liquorice, and structures similar to linseed were detected. "Chlorodyne" is a term applied to many preparations of a highly complex character. The original preparation is a trade secret, and the numerous imitations vary greatly among themselves. It is, therefore, impossible to express an opinion as to the presence of chlorodyne in the lozenges. Mr. Allen states that he has analysed in the quarter 323 samples of food and drugs, and 72 samples of spirits, of which 18 were diluted with water.

A Wind that Blew Bad for a Chemist.

In one of the recent storms a chimney-stack at Boston was blown down and smashed the roof of Mr. Thomas's chemist's shop in that town.

Chemists Dance.

The employés of Messrs. Burroughs, Wellcome & Co., Dartford, had an enjoyable dance last week at the Dartford Conservative Hall, from 8 to 11 P.M.

And Sing.

Under the auspices of the Brighton Junior Association of Pharmacy, a musical and social meeting was held on January 2, at 2 Sillwood Terrace. Mr. C G. Yates was in the chair, and there was an excellent display of vocal and musical talent.

Fire.

On Monday morning, about 6 o'clock, a fire broke out in the shop of Mr. W. Clarke, chemist and druggist, High Street, Stockton, and was not got under until the contents of the shop were entirely destroyed. The damage, which is considerable, is covered by insurance.

Chemists on Parish and District Councils.

We hear of still more honours secured by members of the craft at the recent elections, and subjoin notes of them.

Mr. Wm. Baxter, pharmaceutical chemist, Fordingbridge, Hants (second on the poll). Elected Vice-Chairman.

Mr. Frederick Tidswell, chemist and druggist, Denholme, near Bradford (Chairman). Mr. Tidswell has been a member of the Local Board for the last fourteen years.

Mr. Joseph Fletcher, chemist and druggist, Scunthorpe, at the head of the poll. Mr. Fletcher has been elected Chairman, and has duly qualified as a Justice of the Peace.

Mr. Edward B. Ford, pharmaceutical chemist and corn-merchant, Pontypool, headed the poll for the Council of his district, and also for the Board of Guardians.

Mr. H. F. Cook, chemist and druggist, New Chesterton, has been elected an Urban District Councillor, also a Guardian unopposed, for the West Division of Chesterton, Cambridge.

Mr. D. Dickinson, chemist and druggist, was among the successful candidates for the Hoole (Chester) Urban District Council.

Alderman Richard Winfrey, pharmaceutical chemist and newspaper proprietor, of Spalding (formerly President of the Chemists' Assistants' Association) has been elected Chairman of Long Sutton (Lincs) Urban District Council. He is the Liberal candidate for South West Norfolk, and Vice-Chairman of Holland County Council.

Other chemists elected are—

Mr. J. H. Downing, chemist and druggist, Southwell, Notts.

Mr. R. S. Stanley, chemist and druggist, Southwell (Chairman).

Mr. F. H. Durant, chemist and druggist, 137 Queen's Crescent, N.W. (Chairman).

Mr. John Evans, chemist and druggist, Temple Gate, Bristol, has been elected a Guardian for the Redcliff Ward, at the top of the poll.

Major Probyn, L.C.C., of Hooper & Co., Pall Mall, the Master of the Pattenmakers' Company, has been elected the Chairman of the St. Martin's-in-the-Fields Vestry.

Water for Charitable Institutions.

The Infirmary Committee at Hull are pressing the Waterworks Committee of the Corporation to make a specially low charge for water supplied to that institution. At present the water supplied to the infirmary costs about 140*l.* a year, and it is argued that the same rate ought not to be charged to such a body as is charged to manufacturing-works, who use the water to profit. The Waterworks Committee show a favourable disposition on the matter.

A Centenary.

The *Staffordshire Advertiser* celebrated its centenary on January 3, and the issue for Saturday last contained an interesting feature in the form of a page of brief notes on businesses in the county which were in existence when the newspaper first came out in 1795. One of the best-known of these is Wedgewood's porcelain-works, and we also observe in the list the following pharmacies:—Messrs. J. & H. A. Averill, pharmaceutical chemists, Stafford, have a business which was established in 1786. The present proprietors thirty-five years ago succeeded Messrs. Dawson & Wells. The premises at 10 Market Square have been considerably altered since they came into the hands of Messrs. Averill, and the pharmacy is now one of the best in the district.—Mr. G. R. Hankinson, chemist and druggist, High Street, Uttoxeter, is now the owner of the business established by Mr. Thomas Woolrich in 1780, who, with his son, Mr. C. D. Woolrich, carried it on in succession for seventy-one years. In 1851 it passed into the hands of Mr. John Borwell Johnson, who owned it for thirty-six years, and on his death in 1887 Mr. Hankinson came into possession.—We also observe that Messrs. Allbut & Daniel, Hanley (established in 1786) at the end of last century had a partner, "Thomas Allbut, Vendor of Aromatic Spirits of Vinegar, Scented Soap, Court Plaistors, Razors and Razor-Strops, Bonnet Boxes, Tooth Powders, Umbrellas, and Dealer in Tea from 5*s.* 6*d.* to 12*s.* per lb., and Druggist."

A Chemist's Assistant in Trouble.

At a special sitting of Wellington Justices, on Friday, John Williams, chemist's assistant, and a labourer, named Phillips, were summoned for creating a disturbance in High Street, Wellington, on November 29. The police found defendants engaged in fighting and creating a disturbance near the parish church. The Bench bound them over to keep the peace for six months and to pay the costs.

Workhouse Contracts.

Messrs. Moulder & Arnold are to supply the Cirencester Board with sulphur at 2*d.* per lb. and arrowroot at 8*d.* per lb.; and Messrs. Bishop Brothers will supply linseed-meal at 2*d.* per lb.

The tender of Messrs. P. H. Harris & Co., of Wolverhampton, has been accepted for the supply of drugs to the Wolverhampton Guardians. The amount of the tender was 55*l.* 16*s.* 8*d.*

The tender of Mr. C. W. Southern, of the Market Place, Belper, has been accepted for the supply of druggist's requisites to the Belper Board of Guardians.

Stealing a Chemist's Watch.

Sidney Barry (23), labourer, of Norris Street, Hoxton, was charged at the Clerkenwell Police Court on Monday with stealing a watch, value 3*l.*, from Robert Gunn, chemist, in the Agricultural Hall, Islington, on Saturday evening. The prosecutor was robbed by the prisoner outside a show in the World's Fair. Barry pleaded guilty, and was sentenced to three months' imprisonment with hard labour.

Chemical-workers Combining.

A private meeting of the chemical-workers of St. Helens and district was held on Tuesday evening to consider the present crisis in the chemical-trade. There was a large attendance, and Mr. A. Craig, President of the St. Helens Trades Council, occupied the chair, he being supported by Mr. Dipper, general secretary of the National Amalgamated Union of Labour, and several chemical-workers from the Tyne district. The position of the men in St. Helens and district was compared with that of the men in the Tyne district, to the detriment of the former, and a resolution for united action by the men in both districts was unanimously agreed to. It was further agreed that men who had run out of the local union should give in their names at once for the purpose of rejoining, with a view to amalgamating that union with the National Organisation at Newcastle, so that in future the men would be in a position to take united action. Mr. Dipper pointed out, as showing the importance of the union, that in the North the Chemical Syndicate treated with the Union, and not with the workmen individually, as they had done in St. Helens.

A Chemist Assaults his Wife.

At Lymington on January 2, Alexander Duncan, of Bournemouth, chemist, was charged with an aggravated assault on his wife, Fanny Duncan, on the 19th ult., at Brockenhurst. Complainant stated that she resided at Balmer Lawn, Brockenhurst, where she rented a house of Mr. Lunn, and let lodgings. Her husband did not reside with her, but he had been staying with her since the last week in October or the first week in November. Previously he had been in the habit of coming over from Bournemouth from Saturday till Monday. According to her evidence the defendant was very abusive and violent to her in the morning. She went next door and got a servant to come with her. He struck and kicked the servant, and afterwards he struck complainant and ultimately knocked her down. Her evidence was corroborated by the servant, and also by the next-door neighbours, who were brought in. He had assaulted her before, but this was the first time she had publicly charged him. She had been married to him twenty-nine or thirty years, and until the last four or five years they had lived happily together. Defendant had carried on business as a chemist at Bournemouth, but was bankrupt about eighteen months ago. He was very excitable since he was thrown from his horse. Mr. Curtis, on behalf of the defendant, said he was very sorry, and admitted having committed an ordinary assault upon complainant in the excitement of the moment, but urged that an aggravated assault had not been proved. Defendant was a most respectable tradesman, and exceedingly regretted what had happened. The Bench fined him 1*l.* and 1*l.* 7*s.* 6*d.* costs, and bound him over in 50*l.* to keep the peace for a twelvemonth. They considered that an aggravated assault had been committed, but not sufficient for them to make an order of judicial separation. The Chairman remarked it was one of the most painful cases the Bench had ever had before them.

Irish News

The New B.P.

Although the Pharmaceutical Society of Ireland has not been asked to assist in the revision of the British Pharmacopœia, the interests of Irish pharmacy will not be neglected, as the Council of the College of Surgeons has appointed a committee consisting of Dr. Duffey, professor of pharmacy; Sir Charles Cameron, professor of chemistry; Dr. Lapper, professor of physics; and Dr. A. Wynne Foot, professor of therapeutics, to co-operate with the Pharmacopœia Committee of the Medical Council.

Action against a Vendor of Quack Remedies.

At the Waterford Quarter Sessions on January 2, before Judge Fitzgerald, Q.C., Thomas Flanagan sought to recover

20*l.* damages from Thomas McGrath, described as a cancer-doctor, for having, by unskilled treatment, caused him great pain for seventeen weeks, defendant having undertaken to cure cancer in his hand by means of certain plasters and powders. The plaintiff said that Dr. G. J. Mackesy, of Waterford, had informed him that he had cancer in his hand and that it would be necessary to have the hand amputated. He subsequently went to a Dublin hospital, where the opinion of Dr. Mackesy was confirmed. Plaintiff then returned to Waterford, and was advised to put himself under the care of defendant, who is a pump-maker by trade, but professes to cure cancer for payment. He accepted the advice, and having paid McGrath his fee, subjected himself to his treatment. Defendant applied a plaster and powders, which caused great pain, and also caused the cancer to spread, and in consequence he had to again consult Dr. Mackesy, who now, to save his life, found it necessary to amputate the arm above the elbow. The defence was that the plaintiff voluntarily called on the defendant and employed him to undertake the cure of the diseased hand, that it was not owing to his treatment that amputation was necessary, and that he was not accountable for any pain suffered while under treatment. His Honour told the jury that persons such as the defendant, who undertook to cure diseases without the necessary medical qualifications, were liable both civilly and criminally for their action. The jury found a verdict for the plaintiff for 17*s.* 6*d*, the amount of the fee paid to McGrath. His Honour said the case was one in which he would assuredly certify for costs.

Chemists' and Druggists' Society of Ireland (North Branch).

The committee of this Society met on January 3 in the office of the President (Sir James Haslett), who occupied the chair. Messrs. R Campbell, James Hogg, J. K. Miskelly, and S. R. Hogg were elected additional members of the committee. A report on the subscriptions for 1895, now due, as also regarding new members, was considered and adopted, and the Treasurer was instructed to issue a circular. Some arrangements as to the time and place of meeting were decided upon, and the results of the last Act of Parliament were discussed, and action in reference to some amendment of its provisions was adjourned for further consideration.

Taking their Word for it.

At the Ballybot Quarter Sessions last week, Mr. William Heslip, general merchant, Rathfriland, sued the Dundalk & Newry Steampacket Company to recover 7*l.* 10*s.* for the non-delivery of two hogsheads of flaxseed. Defendants contended that the goods were duly disposed of, but admitted having given them out to a carter on a verbal representation. This was their practice in regard to well-known carriers. His Honour commented on the unbusiness-like custom, and gave a decree for the full amount.

Some Belfast Items.

The Belfast Industrial Exhibition, which, it is expected, will contain numerous articles in use in the drug and chemical trade, will be formally opened on March 28.

Sir James Haslett, chemist and druggist, Belfast, has been nominated a member of the general purposes committee of the City Corporation for the ensuing year.

The Botanic Gardens, Belfast, and their contents have been purchased by the City Corporation for 10,500*l.*

The *Belfast News Letter*, in its annual report of the trade and commerce of Ulster for 1894, says the year just closed has been a most unprofitable one for the mineral water-trade at home and abroad, the long period of wet, cold weather being the chief cause. Foreign bottles are largely imported, but the English firms are likely to have a larger share than heretofore of this industry if the strikes are not repeated. An effort was made recently to introduce into Belfast the local manufacture of bottles, but owing to the great competition of British and continental blowers, the enterprise was abandoned. Imports of flaxseed were in excess of the usual supply, and a number of cargoes of chemicals were received by local druggists and chemists, amongst them being Messrs. J. & J. Haslett and Cantrell & Cochrane.

Scotch News

Edinburgh Veterinary Colleges.

Owing to the recent death of Mr Walley, F R.C.V.S, principal of the Royal Veterinary College, Edinburgh, rumours are afloat as to the amalgamation of the College with the New College, of which Professor Williams is principal. Both Colleges are well patronised, and there has been a good deal of rivalry between them, which is the chief reason for a desire for amalgamation.

The Tyson Cure.

The Committee of Dundee temperance men recently met to hear how the nineteen dipsomaniacs had got on who were treated with Tyson's drink-cure. Result: The whole of the nineteen are again hard drinkers; but the Committee retain their faith in Tyson.

Sudden Death of a Chemist.

On Tuesday afternoon, while Mr. W. R. Ross, chemist, Hawick, was enjoying a game of curling, he suddenly complained of severe pain. He was assisted home, and his medical attendant summoned Dr. Joseph Bell from Edinburgh. Dr. Bell operated, but the case was hopeless, as the bowel had been ruptured, and Mr. Ross died on Wednesday morning at 9 20. Mr. Ross had been in business in Hawick some eighteen years, and previous to going there he was for some time in business for himself at Dundee.

Smith's Dance.

The annual assembly of the staff of Messrs. T. & H. Smith & Co, Edinburgh, took place on Friday, December 28, in the "Lodge of Edinburgh" Hall, 19 Hill Street. Mr. D. Mackenzie occupied the chair at supper, and Mr. W. R. Cunningham acted as M C. There were about forty couples present, and a very enjoyable evening was spent, the proceedings being pleasantly varied by several songs.

New Examination-hall.

The new hall and laboratories of the Pharmaceutical Society in Edinburgh have been used by the Board of Examiners this month for the first time, and the arrangements have given great satisfaction to all concerned. The examinations, including the Preliminary, were heavy, and this circumstance put the arrangements to a good test. Mr. Thomas Maben has succeeded Mr. John Nesbit as Chairman of the Board of Examiners.

Recent Patents.

Bottles.

14,553. 1893. Quine, R H, 1 Leaf Square, Pendleton, Lancashire.

Relates to bottles for containing poisons or poisonous liquids. The bottle is formed with a flat side on which it rests, the end being inclined so that the bottle cannot stand upright. The sides are also inclined, to insure careful handling, but are formed with vertical, &c., edges, by which the bottle may be taken hold of. The neck is placed obliquely, and the word "Poison," &c, is formed in prominent characters on the top, or on the sides or end. The sides may meet at the top, and the sides, end, &c., may be rounded or curved.

Insecticide.

14 412. 1893. McDougall, I. S. & J. T., 10 Mark Lane, London.

Consists in adding sulphuric or other suitable acid to the solution, when boiling tobacco-leaves to obtain an extract to be used as, or in preparing, an insecticide.

Pharmaceutical Society of Great Britain.

COUNCIL MEETING.

AT the monthly Council meeting on Wednesday the following members were present:—Messrs. Michael Carteighe (President), W. Gowan Cross (Vice-President), Allen, Atkins, Bottle, Gostling, Greenish, Grose, Harrison, Hills, Martin, Martindale, Newsholme, Richardson, Southall, and Rymer Young. Mr. Hampson and Mr. Schacht were absent through indisposition.

The SECRETARY read the minutes of the previous meeting, which were confirmed.

CORRESPONDENCE.

The PRESIDENT intimated the receipt of letters from the members of the Board of Examiners, acknowledging their appointment, and also one of thanks from the representatives of the late Mr. Hooper for the letter of condolence sent by the Council. Mr. Abraham wrote thanking the Council for the resolution passed with regard to his resignation at the previous meeting; and Mr. Rutherford Hill, in thanking the Council for the recently-voted increase in his salary, spoke of the larger sphere of work and increased responsibility consequent on the enlargement of the North British Branch building in Edinburgh.

THE NEW COUNCILLOR.

Mr. CROSS, in proposing that Mr. Wm. Warren, of London, be elected a member of the Council in the place of Mr. Abraham, resigned, said he had mainly chosen Mr. Warren because he felt he would efficiently perform the duties of the position, and also because he was a pharmacist residing in London. In considering the great distance many of the country members of the Council had to travel before they could take part in its deliberations, or in committee-work, he thought the necessity that they should have a fair proportion of London members could not be too forcibly advocated. In Mr. Warren they had a gentleman who, during the time he was on the Council, had given evidence of his fitness for the post he occupied. He had the fullest confidence in asking them to elect him to fill the vacancy.

Mr. RYMER YOUNG seconded the proposal. The removal of Mr Warren had been a distinct loss to the Society. The number of members on the Council from London was a diminishing quantity, a condition which threw upon country members a great deal of additional work.

Mr. N. H. MARTIN supported the proposition, intimating that he thought the Council would make a wise choice in reinstating Mr. Warren as a member.

The PRESIDENT said he put the resolution with pleasure. Perhaps it might interest them to be reminded that Mr. Warren was practically the successor of the late Mr. Hooper, with whose family they had recently condoled.

The resolution was passed unanimously.

The next business was the election of new members, associates, and students, and the names of these were rapidly run through by the President.

THE PRIVY COUNCIL APPROVES.

The PRESIDENT placed upon the table the formal approval by the Privy Council of the Boards of Examiners for England and Wales, and Scotland appointed at the last meeting.

DEATH OF A HANBURY MEDALLIST.

The PRESIDENT said he had to report officially the death of Professor Flückiger, a very distinguished honorary member of the Society. Flückiger was a co-worker with Daniel Hanbury, and those two men were, perhaps, the greatest authorities on vegetable materia medica in the world. Professor Flückiger's work in that direction had always been associated with the Society either through Hanbury or through others. He was always interested in the fact that the Pharmaceutical Society was a purely voluntary Society and not a State-endowed institution. He (the President) thought they would only be carrying out the wishes of English pharmacists if they sent to the late Professor's family a resolution of sympathy. The names of Flückiger and Hanbury were identified with the best work on vegetable materia medica ever written, and which would be the standard work for many years to come. (Hear, hear.)

The VICE-PRESIDENT seconded the proposition, which was unanimously agreed to.

FINANCE.

The TREASURER reported as follows:—

	£	s.	d.
Balance on the General Fund account	1,890	15	4
" " Benevolent Fund account..	511	16	1
" " Donation Fund account	75	19	5
" " Orphan Fund account	43	16	3
Payments for January from General Fund account	2,241	4	6
Balance standing to credit of General Fund account on November 30, 1894..	553	11	6
Receipts during December	2,352	17	9
	2,905	17	9
Payments during December	1,015	2	5
Leaving balance as above	1,890	15	4
Benevolent Fund balance brought forward	557	18	3
Receipts during December	58	17	10
	616	16	1
Payments	105	0	0
Balance as above	511	16	1

For the Donation account one donation of 5*l.* 5*s.*, and a legacy of 31*l* 5*s* had been received during the month.

On behalf of the Orphan account the single receipt was 35*l.*, being interest on the money lent to the Benevolent Fund.

Included in the item of 2 244*l.* 4*s.* 6*d.* for payments were Journal expenses 361*l.* 12*s.* 7*d.*; salaries 487*l.* 10*s.*; law costs 660*l* 9*s.* 4; current expenses 55*l.*; rent 83*l.* 19*s.* 3*d.*; sundry accounts 100*l.* 13*s* 4*d.*, &c.

The PRESIDENT, in moving that the report and recommendations be adopted, said there was nothing special to call for remark. The 600*l.* odd for law costs represented a portion of the expense of six months' working paid to the lawyers.

MR. MABEN JOKES.

With regard to the receipts for the Benevolent Fund they were not very large in number. One curious receipt, however, was that of 10*s.* from Mr. Maben as representing the assets of the Hawick Pharmaceutical Association. The Association, Mr. Maben stated, was defunct, and after paying the funeral expenses he sent the surplus to the Benevolent Fund. (Laughter, and "Hear, hear.")

Mr. HILLS asked if any application had been made during the past twelve months for benefit under the Orphan Fund.

Mr. CROSS was understood to say they were in a position to do something now with the funds at their disposal.

Mr. HILLS said he was quite sure they had enough money now, and the only want was an orphan to assist.

The report was adopted.

BENEVOLENT FUND.

The Council went into committee on the Benevolent Fund. Five grants had been made and two applications refused by the committee.

Mr. CROSS, in moving the adoption of the report, said they had given a substantial sum to each of the unsuccessful candidates at the recent election, which would, they hoped, to some extent modify their disappointment. The committee wished to renew the appeal they made last year for votes for the Welsh School at Ashford, on behalf of Mary Lewis. The candidate would not have a further chance of being elected after June next. With regard to the Orphan Fund, he hoped subscriptions would be larger than ever, as they might soon have to deal with more than one application.

Mr. BOTTLE seconded the resolution, and it was formally passed.

LIBRARY, MUSEUM, AND HOUSE COMMITTEE.

The usual figures as to attendances in the day and evening at the library and museum were read by the SECRETARY, and

The PRESIDENT, in moving that the report be received and adopted, said the greater part of the committee's work was with details, and the only subject out of the ordinary course was the

BARBADOS PHARMACY LAW,

which was referred for consideration to that committee. Members of Council might like to know that they were all very much surprised and impressed with the completeness of this particular enactment. While in England they were in the somewhat helpless position of not being able to impose the mildest form of curriculum, they found in Barbados a candidate must pass an intermediate examination between his pupilage and 21 years of age, and a final examination when he attained that age. In regard to the privileges conferred upon pharmacists they were, of course, very much greater than those in the mother country. It was in some sense a satisfaction to notice the influence of education, and the regard paid by medical men in the Dependencies of the Crown to the importance of educated chemists and druggists. They appeared to have no difficulty in getting satisfactory Pharmacy Acts, tending to promote higher technical education and far greater safety to the public. One could not help feeling with a tinge of regret that the only result of their (the Council's) work in this direction was to prepare the way for their brethren in various parts of the world, but without any serious endeavour on the part of the great mass of the trade here to take these matters into consideration.

Mr. ATKINS remarked that the Colonies and Dependencies were free from the monopolies which prevailed in the mother-country.

The PRESIDENT: Quite so!

The report was adopted.

GRANTS TO SCHOOLS.

A letter from the President of the Sheffield Pharmaceutical and Chemical Association, asking for a grant of 50*l.* on behalf of the Sheffield School of Pharmacy, and also one making a similar application for the benefit of the Inverness School, were referred, on the motion of the President, to the Library, Museum, School and House Committee.

The SECRETARY gave the following particulars of

EXAMINATION-RESULTS IN SCOTLAND.

	Candidates.	Passed.	Failed.
Major	2	1	1
Minor	110	51	59
	112	52	60

PROPOSED NEW PHARMACY BILL.

The PRESIDENT, again rising, said he had a resolution which he thought they would agree to at once. It was:—"That the Law and Parliamentary Committee be convened at an early date to consider the expediency of applying to Parliament for such further powers as may be thought desirable." He had referred to the excellence of an Act for one of the colonies—Barbados, and he might now refer to the fact that they in England had a great deal to do before they could place the members and associates of the Society in such a relationship to each other as would promote kindliness and sympathy, and at the same time put them in such a position that they should feel they were all members of a body-corporate, animated with the object of support in the Society and benefiting the trade at large. They had also questions of poison-laws to consider, and various questions in reference to company and corporation trading. All these had been before them from time to time, and it seemed to him that it was appropriate that the Committee should consider first whether it was expedient that during the present session they should take any steps whatever, and if they did, fully to report, in the form of a Draft Bill, what they considered it wisest to proceed with. He could not speak very sanguinely as to the possibility of getting a Bill through Parliament, owing to the position of political affairs, but one never knew what might happen. When it was decided that Parliament should be dissolved at the end of a session, occasionally Government business was disposed of quickly, and there might be an interval in which to get private business through. He was not unconscious of the difficulty of getting the ear of a number of members to take up their case; but if they could get something like agreement among their own men as to what they would support, he thought it would be desirable to make some effort this session or next. If the Committee should consider it better to take some time to draft a somewhat comprehensive measure for active work during even next session, he should not think their labours would be lost. With this preliminary statement he moved the resolution. He proposed to have at least one meeting before the next meeting of the Council.

Mr. HARRISON seconded the resolution On the terms of the resolution they were not committed to any special Bill, nor to any Bill at all, but only that the committee should consider the matter. At the same time he trusted every member of the committee would come forward with a remedy and see whether the time had not come when he might seek to incorporate that remedy in an Act of Parliament. If the time should be favourable for passing such a measure they could present such a Bill as would be acceptable, not only to their own friends, but would be conducive to the greater safety of the public. (Hear, hear.)

The resolution was adopted.

THE NEW PHARMACOPŒIA.

The PRESIDENT read a letter from Sir Richard Quain (President of the General Medical Council), in which he stated that the Council had decided to issue a new edition of the British Pharmacopœia, and that the committee, remembering the valuable assistance given to the Medical Council by the Pharmaceutical Society, recommend that the invitation to that Society to assist in the compilation be forwarded to them, at the same time asking them to supply trustworthy statistics as to official remedies, and respecting remedies which appeared to have fallen into disuse. The committee further invited the Pharmaceutical Council to nominate pharmacists to serve on the Pharmacopœia Committee.

The letter was referred for consideration and report to the General Purposes Committee.

THE METRIC SYSTEM.

The PRESIDENT reported receipt of a letter from Mr. Charles Umney, representing a special committee in regard to drugs of the London Chamber of Commerce and also the Drug Club. In the letter attention was called by Mr. Umney to the fact that it is unlawful for even a wholesale dealer as well as a retailer to use kilogramme weights, or any of the metric system of weights and measures for the export trade. A short draft Bill had been prepared to amend the Weights and Measures Acts of 1873 and 1889, and this would be presented to Parliament in the coming Session. The co-operation of the Society was desired in the matter. The matter had been referred to the General Purposes Committee, and the Council were asked to pass a resolution that the President should take such steps as would be necessary to assist the passing of the Bill.

The motion was seconded by Mr. GREENISH, and agreed to.

This concluded the public business.

EXAMINATION RESULTS.

AT the meeting of the Board of Examiners for England and Wales, held in London, 34 candidates were examined for the

MAJOR DIPLOMA,

and of these the following 16 passed:—

Alcock, J. E.	Moffat, C. D.
Dales, E.	Moorhouse, J. W.
Durbin, H. E.	Peach, C. W.
Hoit, A. H.	Pearce, J. H.
Hope, R.	Perkins, Miss C. S.
Ingall, S. H.	Pickering, W.
Marsh, A. E.	Potter, H. A.
Massey, C.	Taylor, C. J.

The Scotch Board concluded their labours this week, and the following are the passes:—

MAJOR EXAMINATION.

Two were examined, and one passed, viz.:—

Scott, George L., Hawick

MINOR EXAMINATION.

A hundred and ten were examined, and 51 passed, viz.:—

Allen, George, Manchester
Arthur, Harvey Phillips, Glasgow
Baxter, George, Edinburgh
Blaylock, Richard, Manchester
Bonnar, William, Barrhead
Braddock, William, Oldham
Bromner, William, Edinburgh
Butler, Albert Edward, Salford
Cowie, Peter, Edinburgh
Crombie, James, Glasgow
Cruikshank, Alexander, Edinburgh
Dobson, John, Glasgow
Drabble, Frederick P., Rotherham
Forrest, Thomas Brown, Edinburgh
Fell, Sydney, Huddersfield
Forster, John H., Newcastle-on-Tyne
Gill, James Alexander, Edinburgh
Handy, Samuel, Liverpool
Heron, John, Glasgow
Horn, John William, Manchester
Horsburgh, James D., Edinburgh
Hubble, William B., Manchester
Inglis, William, Edinburgh
Kerruish, Henry, Liverpool
Laidlaw, Andrew G., Manchester
Latham, Arthur W., St. Helens
Levie, Thomas J. P., Edinburgh
Logan, James, Edinburgh
Low, Alexander Taylor, Leith
McIntosh, John, Edinburgh
McLean, Moltke, Edinburgh
McLeish, Edward, Leith
Marshall, Robert, Edinburgh
Mayor, David Herbert, Stockport
Miller, Thomas, Berwick-on-Tweed
Postlethwaite, Robert, Liverpool
Robertson, Thomas M., Rutherglen
Ronald, Margaret, Glasgow
Salmon, Arthur, Stockton-on-Tees
Sharples, William, New Mills, Derby
Shepherd, Joseph H., Birmingham
Simpson, Herbert, Edinburgh
Smart, Gordon, Edinburgh
Thomson, Thomas, Edinburgh
Waters, James Bowden, Morpeth
White, David, Leith
White, Herbert, Liverpool
Wilson, Robert W., Edinburgh
Wilson, William Wood, Glasgow
Wyatt, Frank Leopold, Manchester

"FIRST" EXAMINATION.

THE following are the questions given on Tuesday, Jan. 8:—

LATIN.

(Time allowed—from 11 A.M. to 12.30 P.M.)

I. For all candidates. Translate into Latin:—

1. I have seen the son of the man himself.
2. The sun is greater than the earth, but the moon is smaller.
3. It is true that the slave has been punished by the master.
4. Having taken the camp, they departed.
5. I fear you do not know what you ought to do.

II. Translate into English *either* A (Caesar) *or* B (Virgil).

(*Candidates must not attempt both authors.*)

A. CAESAR.

1. Quum ab his saepius quaereret, neque ullam omnino vocem exprimere posset, idem Divitiacus Aeduus respondit: Hoc esse miseriorem et gravioren fortunam Sequanorum quam reliquorum, quod scli ne in occulto quidem queri ueque auxilium implorare auderent: absentisque Ariovisti crudelitatem, velut si coram adesset, horrerent; propterea quod reliquis tamen fugae facultas daretur, Sequanis vero, qui intra fines suos Ariovistum recepissent, quorum oppida omnia in potestate ejus essent, omnes cruciatus essent preferendi.

2. Qui se ex his minus timidos existimari volebant, non se hostem vereri, sed angustias itineris et magnitudinem silvarum, quae inter eos atque Ariovistum intercederent, aut rem frumentariam, ut satis commode supportari posset, timere dicebant. Nonnulli etiam Caesari renuntiabant, quum castra moveri ac signa ferri jussisset, non fore dicto audientes milites, neque propter timorem signa laturos.

Grammatical Questions.

(For those only who take Caesar.)

1. Decline, in the singular, *meus frater*; and, in the plural, *felix magister*.
2. Write in Latin, 17, 96, 19*th*, *twice*, *three each*.
3. Give the principal parts of *regor*, *possum*, *fero*, *fio*, *eo*, *gero*, *jacio*, *sequor*.
4. Give, with the English, *six* Latin words which have different meanings in singular and plural.

B. VIRGIL.

1. Id metuens, veterisque memor Saturnia belli,
Prima quod ad Trojam pro caris gesserat Argis—
Necdum etiam causae irarum saevique dolores
Exciderant animo. Manet alta mente repostum
Judicium Paridis, spretaeque injuria formae,
Et genus invisum, et rapti Ganymedis honores.

2. Parte alia fugiens amissis Troilus armis,
Infelix puer, atque impar congressus Achilli,
Fertur equis, curruque haeret resupinus inani,
Lora tenens tamen; huic cervixque comaeque trahuntur
Per terram, et versa pulvis inscribitur hasta.
Interea ad templum non aequae Palladis ibant
Crinibus Iliades passis, peplumque ferebant
Suppliciter tristes, et tunsae pectora palmis.
Diva solo fixos oculos aversa tenebat.

Grammatical Questions.

(For those only who take Virgil.)

1. Decline, in the singular, *meus frater*; and, in the plural, *felix magister*.
2. Write in Latin, 17, 96, 19*th*, *twice*, *three each*.
3. Give the principal parts of *regor*, *possum*, *fero*, *fio*, *eo*, *gero*, *jacio*, *sequor*.
4. Give, with the English, *six* Latin words which have different meanings in singular and plural.

ARITHMETIC.

(Time allowed—from 12.30 P.M. to 2 P.M.)

(*The working of these questions, as well as the answers, must be written out in full.*)

1. How many more square inches are there in 5 square miles 3 acres 3 yards than there are ounces in 2,222 tons? (*Answer in words.*)

2. Divide 1*l.* 11*s.* 6*d.* by $\frac{9}{3\frac{1}{4}\times\frac{17}{13}}$, and multiply the quotient by $\frac{13}{16}$ of $8\frac{1}{4}$ of $\frac{8}{11}$.

3. Simplify $(1\cdot0\dot{5}\div1\cdot05)+(1\cdot25\div\cdot10625)$.

4. A person after paying 7*d.* in the pound for income-tax has 349*l.* 10*s.* left. What was his gross income?

5. Write down the English and French measures of Solidity.
Give approximately the English equivalents of a mètre, a kilomètre, a kilogramme, a hectare, a litre, a stère.

6. An article which cost 19 guineas per cwt. is retailed at 4*s.* 6*d* per lb., and there is a waste of 5 per cent. What is the gain per cent.?

7. Find the price of $4\frac{1}{2}$ per cent. stock when an investment of 869*l.* 5*s.* produces an income of 42*l.* 15*s.*

ENGLISH.

(Time allowed—from 3 P.M. to 4.30 P.M.)

1. Analyse:—

"Thrice is he armed that hath his quarrel just;
And he but naked, though locked up in steel,
Whose conscience with injustice is corrupted."

2. Parse fully:—*Thrice*, *that*, *but*, *though*, *locked*. (*Question* 1.)

3. Correct the following sentences, giving your reasons:—
(i.) My older brother is two inches taller than me.
(ii.) This boys' bottle is fuller than that boys'.
(iii.) He has brought this memoranda, and not before it was wanted, either.

4. In the following passage supply the necessary capital letters, and put in the stops and inverted commas where necessary:—it is said that the night before they were to pass into macedonia brutus was sitting alone in his tent when he saw the figure of a man before him who art thou he asked and the answer was i am thy evil genius brutus i will meet thee again a philippi

*5. Write a short composition on *one* of the following subjects:—
(i.) The good and harm of newspaper reading.
(ii.) The importance of the study of hygiene.
(iii.) A country drive or walk in winter.
(iv.) "Use lessens marvel."

---

* This must be attempted by every candidate.

WHY THE PRICES WENT UP.—A draper, observing a junior assistant disputing with a customer about the price of some silk she wished to purchase, stepped up to the combatants, and, after a wordy tussle, succeeded in obtaining a higher price for 20 yards than the goods were marked. His methods of persuasion were based on the statement that, owing to the disease among silkworms, prices were rapidly advancing. He then administered a homily to the assistant on the necessity of using his brains and exercising ingenuity in making sales. The next day the same draper had to rescue the same assistant from the clutches of an old lady who was belabouring him with her "gingham." "What did you do to incense her?" asked the draper. "I don't know, sir," he replied. "She asked me for a pennyworth of tape, and when I told her that owing to disease among tapeworms the price was now twopence, she went for me."

Pharmaceutical Society of Ireland.

THE monthly meeting of the Council was held on January 2, at 3 P.M. Present: Mr. William Hayes (President), in the chair, Mr. Beggs (Vice-President), and Messrs. Wells, Grindley, Professor Tichborne, Downes, Conyngham, Simpson, Lyons (Belfast), J. J. Bernard, and Charles Evans.

MR. DUGGAN RESIGNS.

A letter was received from Mr. Robert Duggan resigning his seat on the Council in consequence of inability to attend. On the motion of Mr. WELLS the resignation was accepted.

THE REPORT OF THE EXAMINATIONS.

Sir William Kaye forwarded the report of Dr. George F. Duffey on the Society's examinations held during 1894. The report is as follows:—

30 Fitzwilliam Place, Dublin, December 17, 1894.

May it please your Excellency,

I have the honour to submit herewith my report on the examinations held during the year 1894 by the Pharmaceutical Society of Ireland for the qualification of pharmaceutical chemist.

The examinations were, as usual, held quarterly. A change has been made in the Court of Examiners by the election, in May last, of Mr. Arthur L. Doran as examiner in general and pharmaceutical chemistry, in the place of Dr. Ninian Falkiner, who has been appointed by the Council of the Society as their Professor of Botany and Materia Medica. The latter appointment is a new one. The establishment of a school for pharmaceutical students in connection with the Pharmaceutical Society of Ireland was advocated by me in my report on the examinations of the Society in October, 1886, and was also recommended in my subsequent reports. In 1891 a School of Chemistry and Practical Pharmacy was established, and regulations for its management were adopted. This year the Council passed a resolution that "At and after the April examination, 1895, every candidate for the Pharmaceutical Licence examination shall, in addition to all other certificates hitherto required, be required to present a certificate of having attended a course of botany and materia medica at some school recognised by the Pharmaceutical Society of Ireland." The advisableness of adopting such a course was referred to in my last Report; and, to meet the requirements of this rule, the Council has added to its School of Chemistry a School of Botany and Materia Medica. There are to be three-session years, each session to consist of 26 lectures, 20 at least of which must be attended to entitle the student to receive a certificate. The fee for a session has been fixed at two guineas, and a good syllabus of the course in both botany and materia medica has been drawn up. It is reasonable to anticipate that the results of this commendable action of the Council will be as advantageous as those that have followed the similar action of the Society in the case of practical chemistry, both as regards the establishment of a curriculum and in affording facilities for systematic instruction.

PRELIMINARY EXAMINATION.

Seventy-eight candidates presented themselves for this examination; 47, or 60·25 per cent., passed, and 31, or 39·75 per cent., were rejected. Last year (1893) the percentage of passes was 67·5 per cent., the highest it had been for the eight preceding years. Fifteen of the candidates had been rejected at former Preliminary examinations of the Society: 7, once; 5, twice; 2, three times; and 1, five times previously. The subject in which the largest number of failures occurred during the year was in English (composition, grammar, and dictation); in this subject, in weights and measures, and in arithmetic, in each of which subjects 50 per cent. must be obtained in order to pass, there were, respectively, 22, 21, and 17 candidates who failed to attain the required standard. It is also worthy of note that of the successful candidates, a very large proportion were awarded the bare pass-marks in one or other of these three subjects—in several cases in all of the three. Thus, of the 47 successful candidates, 33 had 50 per cent. only in arithmetic; in weights and measures there were 25 candidates with the same minimum percentage; and in English 18. These figures are unsatisfactory, and indicate lamentable deficiencies in the elementary education of a large number of the candidates.

In the other subjects of the Preliminary examination—namely, Latin, algebra, geometry, and an optional subject (in each of which a candidate who has obtained the extremely low minimum of 2 per cent. is allowed to pass)—there were 10 failures in Latin, 13 in algebra, and 3 in the optional subject; of the 8 who failed in geometry 7 were awarded a cypher. As usual, a large number of the unsuccessful candidates failed in two or more subjects.

The Preliminary examination is still conducted by a single examiner. With the exception of an oral examination in Euclid (Book I.), and a passage given from dictation, the examination is, as heretofore, a written one. All the questions given on the papers were very good and suitable ones.

LICENCE EXAMINATION.

Fifty-one candidates presented themselves for this examination; 29, equal to 56·9 per cent., passed, and 22, equal to 43·1 per cent., were rejected. This is a much lower percentage of passed candidates than last year, when the percentage was 67·4; and it is 28·1 per cent. lower than the percentage of successful candidates in 1892. The large percentage of rejections during the current year was due to the number of rejections at the October examination. An unusual number of candidates (20) presented themselves at this examination, and 65 per cent. (13) were rejected. It is probable that some candidates went in for the examination on this occasion sooner than they would have done otherwise, in order to escape attendance on the course of lectures in botany and materia medica that will be compulsory on candidates presenting themselves for examination on and after April next.

Fifteen of the 51 candidates had previously appeared at examinations for the Licence, 13 once and 2 twice previously; of the former number, 9 passed at their second examination, and 4 were again rejected; of the latter, 1 was rejected a third time, and another was passed "on consultation" by the examiners. This candidate wanted two marks only of the pass standard in one subject (materia medica), and his answering in all the other subjects was good. Two candidates who failed in practical pharmacy (compounding), and whose total marks also in the group of subjects comprised under pharmacy fell short by 3½ and 2 marks respectively of the minimum pass standard (45 per cent.), were also passed "on consultation" by the examiners at the April examination. These two candidates answered well in the other subjects of the examination, and the grand total of marks obtained by each was well over the required minimum. The action of the examiners in passing these two candidates who were deficient in this most important part, probably, of the knowledge a pharmaceutist should possess was not approved by the Council of the Society. In order to avoid any similar leniency in future (which on the occasion in question may have been due to a misunderstanding on the part of the examiners) the Council very properly adopted a resolution "that no candidate shall be passed who has failed to obtain the minimum number of marks in pharmacy." A fourth candidate who obtained 8 marks below the minimum number (20) required in practical chemistry was also passed "by consultation." This candidate had scored only the bare minimum total of marks on the whole examination that would entitle him to pass, so that the consideration shown him after failing badly in an important part of the examination was rather questionable.

Among the 22 rejected candidates, 19 failed in chemistry, 18 in pharmacy, and 8 in the botany and materia medica group. With one exception, none of the unsuccessful candidates obtained the minimum grand total of marks, and the majority of them failed in both pharmacy and chemistry.

On the whole, I have the pleasure to report that the Council of the Society continues to show its desire (1) to obtain for its licentiates the advantage of a good preliminary education; (2) to afford them opportunities of studying their profession in as practical and as systematic a manner as possible; and (3) by keeping up the standard and improving the character of their examinations, to secure as far as it can that none but properly instructed and competent persons shall be granted its qualification. By following these lines, the community at large, as well as the Society itself, must benefit. I have, &c.,

GEORGE F. DUFFEY, M.D., *Visitor*.

The VICE-PRESIDENT: It is the best report we have had yet.

THE LORDS OF THE ADMIRALTY ARE CONSIDERING.

A letter from Mr. William Kenny, Q.C., M.P., enclosed two letters which he had received from the Medical Department of the Admiralty with reference to the eligibility of the Society's licentiates to appointments for dispensing in the Naval Hospitals. These were to the effect that Mr. Kenny's letter on the subject was still under the consideration of the Lords of the Admiralty, and that as soon as a decision was arrived at it would be communicated.

COMPLAINTS FROM CANDIDATES.

A letter from Mr. John M. Whelan, whose application to be admitted to the October Licence examination had been rejected, asked for a reconsideration of his case.

The Registrar was directed to reply that the Council could not depart from the decision already arrived at.

A similar letter was received from Mr. Henry Bell, Rathfryland, who had not been readmitted to the Registered Druggist examination. Mr. Bell asked that, in the event of the Council still declining to readmit him to the examination in question, a sum of 4*l.* 4*s.* which he had lodged on account of fees, less 10*s.* 6*d.*, the cost of examination, should be returned to him.

The money claimed by Mr. Bell, together with an additional 10*s.* 6*d.* which he had sent in, was ordered to be returned to him; but the decision of the Council that he was not eligible to be re-examined was adhered to.

BRITISH PHARMACEUTICAL COURTESY.

Mr. DOWNES said his niece was a student in the school of the Pharmaceutical Society of Great Britain, Bloomsbury Square, and his daughter, having been lately in London, was taken by his niece to see the school. Miss Downes was introduced to the professors and to the Dean, who, on learning that she was the daughter of a member of that Council, personally conducted her through the school, and showed her everything of interest in it. He (Mr. Downes) thought it right to mention this, as he looked on the compliment as one paid to the Council, and not a mere personal matter.

The PRESIDENT and the VICE-PRESIDENT added some remarks on the courtesy invariably shown to members of the Irish Council at Bloomsbury Square.

NEW MEMBERS.

Mr. John Brownlow Hay, of Belfast, and Mr. Thomas Randolph Shannon, of Kingstown, co. Dublin, were elected members of the Society.

Legal Reports.

MALT-VINEGAR PROSECUTIONS.

IN the Glasgow Sheriff Court, on January 7, Peter McIntyre, grocer, 69 Stevenson Street, Calton, was before Sheriff Birnie charged under the Food and Drugs Act with having, on September 6, 1894, sold malt vinegar which was not of the nature, substance, and quality demanded. Mr. John Lindsay prosecuted, and Mr. Salvesen defended. Before witnesses were called, Mr. Salvesen read to his Lordship a correspondence which had taken place between defendant's agents and the prosecutor, in which the latter intimated his intention to abandon the prosecution. The agents thereupon wished to get expenses, and the prosecutor preferred to go on with the case. Mr. Lindsay also had his say about the matter, and the Sheriff held that he was bound to allow Mr. Lindsay to go on with the case.

Defendant then pleaded not guilty, and evidence was called.

Inspector Kerr, of the Sanitary Department, proved the purchase. He offered to divide the sample into three parts and give defendant one, but he refused. He then gave Dr. John Clark, city analyst, the half of the sample. This evidence was corroborated.

Dr. Clark said he made a careful analysis of the sample, and the result, as stated in the certificate, was "I am of opinion that the sample is not of the nature, substance, and quality of malt vinegar, and from the consideration of the analytical results I am of opinion that it consists of dilute acetic acid, flavoured with about 5 per cent. of malt vinegar."

Dr. Clark was then asked to explain what malt-vinegar is, what acetic acid, and so on, which he did, pointing out what are the mineral constituents in the former which are absent from the latter. He found in the sample in question a large quantity of acetic acid, in regard to which he was unable to say by analysis what the origin was, but which he believed was not distilled malt-vinegar. He could not understand why a person should first distil malt-vinegar to get rid of the colour, and then colour it with a preparation of malt-vinegar.

Cross-examined: He could not affirm positively that the vinegar in question was not made from malted or unmalted grain, but the probability was that it was not.

By the Sheriff: The sample consisted of 5 per cent. of real malt vinegar, and 95 per cent. of dilute acetic acid. The latter might be made by diluting wood acetic acid by the fermentation of sugar, by the conversion of pure spirit into acetic acid, or from distilled malt vinegar. If there were 95 per cent. of the last-mentioned, and 5 per cent. of malt vinegar, then the sample was malt vinegar according to law.

Mr. Robert Tatlock, another of the City analysts, also gave evidence on similar lines.

For the defence: Samuel Hannah (Samuel Hannah & Co., pickle and sauce manufacturers, Glasgow) proved the sale of twelve bottles of "pale malt vinegar" to defendant. The vinegar was obtained from De Betuwe, a Dutch company who manufactured it, and who had previously submitted to him certificates from Dr. Clark and other analysts, showing that what the firm manufactured was pure malt vinegar. After receiving the vinegar the firm diluted it with an equal quantity of water. It was got at double the strength at which it was sold to save freight.

By the Sheriff: Malt vinegar was distilled and recoloured in order to get a paler shade than that of undistilled brown vinegar.

Donald Thomson, chemist, with Messrs. Hannah & Co., explained how it was his duty to test the vinegar as received, and to dilute it to suit the market—viz., to the quality of a No. 20 vinegar, or about 5 per cent. He did not add acetic acid to it. It was bottled and labelled "vinegar," not "malt vinegar."

In cross-examination witness stated that his age was 27 and he had 13 years experience as a chemist. He had been an assistant in a druggist's shop. Of analytical work in the chemist and druggist's shop he knew merely testing. He knew nothing of quantitative work. Messrs. Hannah & Co. kept white acetic acid in their warehouse for making a cheap vinegar, and for pickling purposes. He understood dilute acetic acid might be labelled vinegar. The cross-examination of witness was continued in this strain, and he was severely questioned as to malt vinegar and the differences between it and vinegar made from wood acid.

Mr. Bejou, also called for the defence, said he was managing partner of the company, carrying on the business at Tiel, in Holland, under the name of De Betuwe, who were manufacturers of malt vinegar and various other things. His firm was, by special appointment, purveyors to the Queen Regent of the Netherlands, and other Royal Families. They had one of the largest vinegar-manufacturing businesses in Holland. Since the beginning of last year they had sold vinegar to Messrs. Hannah & Co., of Glasgow, in casks. It was sent in double strength to save freight. His firm never had bought pyroligneous acid In his country there was a duty on that acid, and it could not be used from an economic point of view. Speaking generally, his mode of making vinegar was this: Having malted his barley, he mixed it with a certain amount of unmalted grain, and from these two produced a liquid which was called "malt wine," and then he converted the alcohol of the malt wine into vinegar by acetification. That was a different mode from what was employed by some English firms—Crosse & Blackwell, for instance, who, he understood, made very brown vinegar from the malted barley. He regarded his mode as an improvement

Cross-examined: His vinegar had a very fine white colour. In order, however, to suit the demand, they were compelled to put some caramel into it to colour it. Their only reason for doing that was to suit the taste of the public. Some wanted it coloured, and some did not. So far as he knew, white vinegar made from wood was not manufactured in his country. Asked if his vinegar was at any time of a brown colour, witness said it might have some colouring, but not dark brown. It was not quite so brown as the sample produced. The result of his process was a white vinegar.

Is the result of making it from the distilled spirit not to make it white before distilling it at all?—No, it is not.

Is it not white before you commence to distil it?—Yes, ordinarily.

Why do you distil it after, when it is white?—We distil it to get rid of different substances, and to keep it pure and perfectly keepable.

This concluded the evidence, and

The Sheriff, after hearing Mr. Lindsay, but without calling upon Mr. Salvesen to speak, said that the case had narrowed down to two points: first, that the bottle produced and analysed had the flavour of 5 per cent. of malt vinegar mixed with something which ought not to have been mixed with it; and second, that there seemed no good reason why vinegar should first be made white and then be made brown. After hearing the evidence he could not say that either of these points had been supported. The explanation given of the flavour by gentlemen on behalf of the respondent was that the vinegar was of the flavour that it ought to be, and as the reason there was not only this, that this vinegar might admittedly be distilled malt vinegar *plus* burned sugar, but also the explanation of the manufacturer in Holland, that the vinegar could not be

what it was supposed to be, wood vinegar, because there was no object in making it from that. His lordship assoilzied the respondent.

Mr. Salvesen asked for expenses, and in the course of a discussion that followed, the Sheriff asked why Mr. Lindsay went on with the case when he knew that he could not succeed.

Mr. Lindsay said he did not know that he would not win the case.

The Sheriff said he might have known he could not win it upon the evidence he had produced. Dr. Clark had admitted that he could not say whether or not the vinegar was made from malted or unmalted grain. He could not go dashing about in this way, bringing everybody into Court. This was the second in which he had incurred large expenses.

Mr. Lindsay: This is not the same case; it is a different point. Manufacturers should not put themselves into such a position. The public must be protected.

The Sheriff: According to the evidence given to-day, vinegar could not be purer than this.

His Lordship awarded the respondent 10*l.* 10*s.* of expenses.

Mr. Lindsay intimated an appeal.

THE NAME ON THE VINEGAR-CASK.

AT the Nottingham Guildhall, on January 7, Benjamin North, wholesale druggist, Nottingham, was summoned, under the Merchandise Marks Act, for selling a barrel of vinegar to which a false trade description—that of Tompson & Co.—was affixed. Defendant was further summoned for unlawfully, and with intent to defraud, affixing a false trading description. The information was laid by Mr. A R. R. Latham, a traveller in the employ of the Birmingham Vinegar Company (Limited). Mr. Latham said the present company took over the business of Tompson & Co. In consequence of some placards he had received, he went to Gidbrook to the shop of a Mr. Vann, and purchased some vinegar, which was taken from a barrel bearing the name "Tompson & Co." This vinegar was submitted for analysis. Evidence was given that the defendant had been one of the largest customers of the firm, but lately his account had fallen off. The analysis showed that the specific gravity of the sample was lower by 3½° than that of Tompson's vinegar. Mrs. Vann, from whom the vinegar was bought, said that when the barrel was supplied it bore on the head a label "Nottingham Vinegar Company," and her husband tore this off when he tapped the barrel. The removal of the label exposed that of Tompson & Co. The defence was that the defendant had started business as the Nottingham Vinegar Company, and that one of Tompson's casks had got filled with his vinegar. It was entirely an accident. The Magistrates thought an offence had been committed, but that it was technical rather than intentional. Accordingly they fined defendant 20*s.* and costs. The second summons was withdrawn.

WATERED TINCTURE OF RHUBARB, BUT NO CONVICTION.

AT the York Police Court on January 3, Mr. Thomas Parker, chemist, was summoned, under the Food and Drugs Act, on a charge of having sold to Mr. J. Atkinson, inspector, 4 oz. of tincture of rhubarb which, according to the certificate of the public analyst, had been manufactured with spirit 27·6 points under proof. That proportion represented adulteration of 30 per cent. of water. The sample was also "rather low in extract.' The Town Clerk, who prosecuted, said that only tincture of rhubarb made according to the Pharmacopœia was usually known by that name. He quoted the case of White *v.* Bywater, in which the High Court had pronounced to be wrong the Magistrates' decision that there had been no offence because the purchaser had not asked for the article as made according to the Pharmacopœia.

Dr. Cattley, medical officer of health for the city, said that the tincture of rhubarb would have a different effect from that expected on a patient if the spirit contained was 30 per cent. under proof. It was most important that such articles as tincture of rhubarb should be prepared by the directions of the British Pharmacopœia.

Mr. Wilkinson, who represented the defendant, contended that even if the tincture had not been prepared as directed by the Pharmacopœia, it was quite as good as that so prepared. It was quite possible that a man might find out a way to prepare such concoctions which he would think superior to that given by the Pharmacopœia. He also pointed out that when the section of this Act under which the present summons was taken was passed in the House of Commons, it contained the words, "According to the British Pharmacopœia." These words had been struck out. He did not deny that the sample contained weak spirit, but he objected to the words of the public analyst, that the sample was "rather low in extract." He contended that the spirit contained had no medicinal properties, and was only used for the purposes of extraction and preservation of the rhubarb, &c. The tincture of rhubarb was very carefully made, and the presence of the water could not be accounted for, except by evaporation.

Mr. Robert Parker said he made the tincture in question, according to the directions given by the British Pharmacopœia. The spirit contained would exercise little, if any, medicinal action. He could not account for the presence of the 30 per cent. of water. The spirit used had been bought at considerably over proof strength, and he had watered it down to proof strength. He was sure he had not made any mistake and added too much water.

The Lord Mayor said that the case was a proper one to bring before them. The Bench, however, had decided not to convict.

The Town Clerk asked the Bench to state a case, but, pending his instructions from the Sanitary Committee, the matter stood over.

A CHEMIST ASSAULTS HIS LADY TENANT.

ON January 7, at the Wandsworth County Court, before Judge Lushington, Mrs. Heaton, the wife of a barrister, residing at 6 Bank Buildings, Streatham Common, sued a Mr. Savage, described as a chemist, and manager to Mr. Lovely, also a chemist, who has a shop at the same address, to recover damages for an assault.

Mr. Moyses was counsel for the plaintiff, and Mr. Ralph Bankes for the defendant.

The plaintiff stated that she and her husband rented a portion of defendant's house. At first they took six rooms, but subsequently they gave up three of the rooms. There was a difference of opinion as to the right to the use of the kitchen, &c. On November 27 Mrs. Heaton said she went into the scullery to point out her saucepans to a charwoman who was going to clean them. Mrs. Savage was there and called her a "thief, liar, and dirty old charwoman," telling her "to get out of it, as everything there belonged to her" (Mrs. Savage), and she dared plaintiff to touch the pans. Mrs. Savage then called her husband, and he came and told plaintiff to clear out of it. Plaintiff refused to go out of the kitchen at his bidding, saying it was hers as much as his, adding, "If you wish to be violent, do." The defendant then said, "If you don't go out by 12 o'clock to-morrow, I will throw your things into the back yard." Plaintiff remained in the kitchen, and as the defendant left she went upstairs to her rooms. In about half an hour she returned to the kitchen with hot water for the charwoman to clean her things, when the defendant came into the kitchen and said, "What are you doing here?" She replied, "My work." He said, coming towards her, "Clear out, or I will put you out." Plaintiff bent her head, but did not answer. Defendant then opened the back door leading into the yard, and coming behind her seized her by her two arms, bending them and hurting her back. He then put his knee in the small of her back and ran her into the yard. He pulled her back into the scullery, shook her violently, turned her towards the kitchen, shook her, and ran her through the kitchen and passage, to the foot of the stairs, when he gave her a violent push, which sent her staggering to the front door. Defendant then took a stick and shook it at her, threatening to beat her if she dared to pass him. He also used abusive language to her. Whilst this scene was progressing she called her husband, but he was ill in bed with a bad throat. He, however, got up and took her to Dr. Coleman. The next day the doctor called at the house and said he could not take the case unless they made it worth his while, as he was the medical

attendant ot Mr. Savage and his wife. They then had Dr. Barker, who attended. On December 21 the defendant put in a distress for the month's rent then due. Her husband would not pay because he maintained they were quarterly tenants. In cross-examination, Mrs. Heaton denied that she shook a saucepan at Mrs. Savage, but she had held up her finger at her and said, "You must not call me a thief." Mrs. Savage then called her husband, the defendant, who took up a saucepan and shook it at her. She never went up to the defendant with an uplifted saucepan and said, "Woman's rights." (Laughter.) She was on good terms with the defendant and his wife prior to November 21, when she went to see Mr. Lovely, the owner of the shop, to complain about the threats made. Subsequently the defendant gave her a month's notice because she would not accept his terms of exchanging two rooms for one. At the interview with Mr. Lovely he asked her some questions about the defendant, and she told him that defendant got drunk, that on one occasion he shut the shop early, and that he had knocked his wife about.

Henry Heaton, barrister, formerly of British Columbia, husband of the plaintiff, swore to the terms of the agreement, but said he saw nothing of the assault.

Dr. Barker said he found the plaintiff nervous and shrinking. She was not excited. Her pulse was high and irregular. He found two slight bruises on the left arm. There was no bruising of the back. She was a woman of a delicate constitution, and the assault might render it imperative for her to abstain from her work.

For the defence, Dr. Coleman said on the evening of the day of the assault the plaintiff and her husband came to him and told him the story of the assault. He examined the plaintiff's arms, and found two bruises, one on each arm. He would not say that the effect of the alleged assault would render the plaintiff unable to perform her work.

Defendant was the next witness. He said he was manager to Mr. Lovely, and received 60*l* per annum and the house rent-free. He let the upper part of the house. About the middle of November the plaintiff and her husband gave up some of the rooms, and took three at 20*l* per annum, rent to be paid monthly. He absolutely denied the truth of the allegation made by the plaintiff to his superior. On November 27 he ran into the kitchen upon hearing the plaintiff screaming He found her standing with an upraised saucepan near his wife, who was in a delicate state of health. He then ordered her upstairs. Later on he again went into the scullery and found a row proceeding between his wife and the plaintiff over the pots. He said, addressing the plaintiff, "Oh! here again? Why don't you confine yourself to your own rooms, and not come here?" Plaintiff then defied him, pointing her finger at his face and stamping on the floor. He told her to go upstairs, but she refused, and said she would not move, but would stand up for woman's rights. (Laughter.) He used no unnecessary violence towards her nor threatened her.

Mrs. Savage supported her husband's evidence, and after other corroborative evidence his Honour summed up. He held that the plaintiff had a right to the kitchen, and used it as she might. He regretted that plaintiff had spoken as she had done to the defendant's master. Plaintiff had overstated the facts of the case in his opinion, but there had been an assault. He came to the conclusion that there was no justification for the defendant's wife calling plaintiff a charwoman, whilst, on the other hand, he thought plaintiff was mistaken about the words used by the defendant's wife to her. He awarded plaintiff 10*l*. 1*s*. as damages for the assault, with costs.

EXHAUSTED GINGER-ROOT.

AT Hanley Petty Sessions, last week, the proprietor of the People's Tea Company, Burslem, was summoned at the instance of the Inspector under the Food and Drugs Act for selling ginger from which a portion of its pungent and aromatic properties had been extracted. Three ounces of lump-ginger had been purchased at the defendant's shop for 3*d*., and the public analyst (Mr. E W. T. Jones) had certified that in his opinion it had been exhausted by a solvent, whereby its aromatic and pungent qualities had been abstracted, the sample being almost tasteless. Cross-examined by Mr. Leak, who appeared for the defence, Mr. Jones admitted that he had never heard of a prosecution for lump-ginger before. He believed the sample complained of was African ginger, which was the lowest in regard to pungent and aromatic qualities. He had made every allowance for this. His analysis showed that the sample contained moisture 12 per cent., essential oil ·35, ethereal extract 3·3, alcoholic extract (after ether) 1·15, starch and cellulose 77·38, ash or mineral matter 5·82, soluble ash ·73, potash ·24. He admitted that in ginger, as in every other vegetable root, the same stem might contain both good and bad specimens, but he declined to say that to extract the qualities from ginger without crushing would be so expensive that no one would find it worth while to do so. The qualities could be extracted from ginger without crushing and the samples afterwards allowed to dry. In this case the essential oil was just one half of the very lowest quantity which should be found, and he did not think this could happen naturally. The amount of potash should be 1·0 at least. In fact, the sample was nothing but woody matter, tasteless and odourless. For the defence, Mr. Leak stated that to extract the qualities from ginger without crushing would be so costly a process that it would not pay anyone to do it. This was the first prosecution of its kind which had taken place in the whole of the country, and it had come as a shock to the trade, who had been under the impression that lump-ginger could not be adulterated. He asked the Magistrates to believe that this was a genuine piece of ginger, although it was a bad specimen.

The Stipendiary said he could only say that this prosecution had brought to light a new opening for fraud, and he was very glad the prosecutors had been able to nip it in the bud. Under all the circumstances, the Bench would impose the nominal penalty of 5*l*. and costs, altogether 7*l*. 19*s*. 6*d*.

Bankruptcy Reports.

Re JOHN ASLIN, Sunderland, Chemist and Druggist.

AT the Sunderland Bankruptcy Court on January 3, this debtor was examined by the Official Receiver. His unsecured indebtedness is 853*l*, and his assets are estimated at 323*l*. He started business about 1854, and for the last few years has lived in the country, leaving the business to be managed by his son. His answers showed that he had no regular reports from his son, so that he did not know that things were going wrong until urgently summoned to Sunderland in November last. His examination was adjourned for a fortnight.

Re JOHN ETTLES, trading as John Ettles & Son, 156 Herbert Road, Plumstead, and 11 Green's End, Woolwich, Chemist.

THE public examination of this debtor was fixed for Tuesday at the Greenwich Bankruptcy Court. We have already published the particulars of the failure, and besides these the examination disclosed few new facts of importance. The debtor estimated his household expenses for the year preceding the date of the receiving order (November 15) at 230*l*. 13*s*. 11*d*. He stated that he had kept ledgers with creditors and debtors, cash takings book, petty disbursements book, day-book, and "accounts rendered" book. Fully-secured creditors were shown to hold mortages on freehold property belonging to the debtor in Elgin, a policy on his life, and the lease of his business premises.—The Assistant Official Receiver stated that the debtor would be required to file certain accounts before his public examination could be proceeded with, and to enable this to be done the examination was adjourned.

A PECULIAR POISONING CASE is reported from Illinois. A druggist in Beloit dispensed a prescription for a woman, and her doctor called for the medicine. He picked up the wrong bottle, and gave the woman a dose, from which she died. The Coroner's jury put the blame on the druggist.

The Indian Medical Congress.

WE give below a summary of some of the more interesting papers read in the Section of Pharmacology.

Surgeon-General Sir WM. MOORE, K.C.I.E., in a communication on

THE VALUE OF QUININE IN INDIAN FEVERS,

expressed the opinion that quinine received the credit of effecting a cure in many cases in which it was not really beneficial. He questioned the statistics which seemed to prove that the diminution in the death-rate in India was to be attributed to this over-esteemed drug. He had several objections to quinine—its action was still undetermined; it had been supposed to kill the *Bacillus malariæ*, but he had reason to doubt it; he found that in large doses its beneficial effects were sometimes negatived by toxic symptoms—convulsions, coma, &c., and that it had been occasionally found to produce the conditions for which it is given as a remedy—a sort of masked fever, due to saturation of the system with the drug.

THE TREATMENT OF MALARIAL FEVERS BY THE HYPODERMIC INJECTION OF QUININE

was discussed by Surgeon-Lieut.-Colonel PERCY F. W. JENSON, of Mysore, who advocated the hypodermic use of a solution of neutral sulphate of quinine in intermittent fevers, because it acted much more quickly and efficaciously than when taken *per os*, a single injection of 5 grs. usually effecting a cure. He had arrived at the conclusion after a long series of experiments, of which he gave particulars, that the neutral sulphate, dissolved in plain distilled water, was the most suitable form in which to prepare this solution. He further recommended the adoption of this method of treatment in hospitals and charitable dispensaries as being the most economical.

THE VALUE OF MUDAR (CALOTROPIS GIGANTEA)

was commented upon by JOHN MORTON, M.D., Mussoorie. Mudar is regarded by Dr. Morton as one of the indigenous drugs most entitled to pharmacopœial recognition. He has found in it a specific of marvellous efficacy in eczema. His recapitulation of the circumstances attending the cure of a sceptical Irish lady was like a chapter from "Mother So-and-So's" lucubrations. Dr. Morton administered the drug in the form of a poultice of the fresh leaves, but he was unable to place on record any information regarding its active principle or physiological action.

D. MORRISON, M.D., in a paper on

THE TREATMENT OF BITES OF RABID ANIMALS BY PERMANGANATE OF POTASH,

mentioned that, in the course of a large number of observations on this treatment in bites of rabid dogs and jackals, he had come to the conclusion that permanganate of potash was an invaluable remedy. Deaths from hydrophobia were very numerous, and the Pasteur treatment could never be made available for the ordinary *ryot* of Bengal. He held that the principle was the same as in the Pasteur treatment—viz., that of cure by means of an attenuated virus—as it had been found that, although the nature of the virus was still undetermined, oxygen, in the form of permanganate of potash, had the power of destroying it and rendering it innocuous. It was used in the form of a lotion.

A paper on

BENGAL HÆMOSTATIC PLANTS,

by Dr. G. C. BAGCHEE, Calcutta, showed a decided inclination to the Hindu system of medicine, "flowers boiled in milk" being one of the forms recommended by this practitioner. The plants recommended were *Saraca indica*, a leguminous plant known as Asok; *Eupatorium Ayapana* (*Ayapana* in the vernacular), which was used in the form of a paste of the pounded leaves applied to wounds; the freshly-expressed juice of *Blumea densiflora* (Kuksungh in Bengali), which was useful in hæmorrhage from the bowels due to dysentery or other causes; and the flowers of the red lotus (*Nymphæa rubra*), which were recommended for arresting hæmorrhage from the uterus. The doctor somewhat vaguely stated that the hæmostatic influence of the *Blumea* leaves "was probably due to the presence of a volatile oil."

A paper by Dr. N. K. PATRAK on

THE USE OF ANTIPYRETICS IN INDIAN FEVERS

was a comparative review of the antipyretic values of phenacetin, antipyrin, and antifebrin. The author found that great damage was done by the excessive use of these drugs in India. He considered 4 to 5 gr. of phenacetin a moderate dose, and 16 gr. a "heroic" dose. Above that the drug became dangerous, destroying the blood-corpuscles. Similarly, 5 gr. of antifebrin and 10 gr. of antipyrin were to be considered the limits of dosage. It is worthy of note that these drugs are used very largely and somewhat indiscriminately in India.

INDIGENOUS DRUGS OF INDIA,

by Dr. R. P. BANERJEE, Rajputana, was an account of some of the most important country remedies, compiled, according to the author, from one of the Calcutta medical journals. There was nothing new in this paper, which was otherwise an elaborate *resumé* of a most extensive subject.

ANTIPYRETICS,

by the same author, was a comparative examination of the effects observed in his own practice in the use of antipyrin, antifebrin, exalgin, phenacetin, salol, quinine, salicylic acid, and salicylates. He had found that if "exalgin were persevered in, 'night-blindness and weak-sightedness' are produced, and the patient becomes emaciated, pale, weak, and faint, not unlike the appearances of a sufferer from chlorosis." The doctor varied the results of his researches in regard to the antipyretic values of these drugs with observations on the value of salol as a topical application in combination with carbolic acid and iodoform. He also declared that "persons of a strong nervous system withstand the action of salicylates better than nervous and weak-minded persons."

Dr. MANCKJEE D. CÁMÁ recommended

VAPOR OPII

as worthy of pharmacopœial recognition. He thought that the Opium Commission had proved that this was the best way to utilise the beneficial influence of the "divine drug." He advocated it as "an efficient remedial agent that had fascinated the East, sublime in its simplicity, evolved out of the omniscient brains of the celestials, and grounded on the rock of accumulated experience of ages."

Tinospora cordifolia (Gulancha) was lauded by Dr. GUNGA SINGH, of the Prince of Wales's Hospital, Benares, as a remedy in ague, debility, and jaundice. A paper on "Oxide of Orpiment" was nothing less than a eulogy of an "Aurvedic" nostrum, a "system" of medicine practised by some natives in Calcutta. The author rang the whole gamut of clinic possibilities from leprosy to fevers, and from sick-headaches to "elephantiasis and neuralgia." Another paper on "Electro-Therapeutics" was similarly exhaustive.

NOT GUILTY.—William Ruston (50), a firework-maker, of 252 Millfield Road, Clapton, charged with entering an unoccupied house at Walthamstow, and stealing therefrom nine pictures, a tea-service, &c., valued at 15*l.*, the property of Alfred Higgins, a chemist, of Clapton, was tried last week at the Stratford Petty Sessions and acquitted.

CARELESS USE OF CHLORODYNE.—Henry Farthing, a commercial clerk, of 8 Crossley Street, Liverpool Road, was suffering from a severe cough, for which he took chlorodyne. He had been unsteady recently, and on Saturday was discharged from his situation. He returned home a little the worse for drink at midnight, and, without pausing to look at the cover of the chlorodyne-bottle, he swallowed a quantity, and then threw the bottle—a ½-oz. phial—into the fire, where it was destroyed. At an inquest held on January 8, the jury, in returning a verdict of death from misadventure, recommended that in future such dangerous medicines should be labelled "Poison" on the bottle, and not on the cover only; and the Coroner added that it would be well, too, if the directions were made as plain as possible, and words like that of "minims" omitted. "Drops" would be a better term.

Counter Practice.

RECIPES CONTRIBUTED BY SUBSCRIBERS IN COMPETITION, AND COMMENTED UPON BY A MEDICAL PRACTITIONER; WITH TYPICAL PRESCRIPTIONS IN EACH GROUP.

LINCTUS FOR A COUGH.

TYPICAL PRESCRIPTION.

Acid. hydrobromic. dil. ʒj.
Tinct. cubebæ .. .. ʒj.
Spt. chloroform. .. ʒj.
Syr. prun. virg. .. ℥iv.
Mucilag. ad. .. .. ℥iss.
ʒj. urg. tuss.

Potassii nitratis .. .. gr. iij.
Vin. ipecac. .. .. .. ♏iij.
Syr. limonis .. .. .. ʒss.
Aquæ ad .. .. .. ℥j.
Q.q. 4 h. sd. (245)

Syr. limonis .. .. .. ʒss.
Vin. ipecac. .. .. .. ʒj.
Glycerini pur. .. .. ʒss.
Codeinæ .. .. .. gr. iv.
Aq. ad .. .. .. ℥ij.
M. Ft. gtt. tussi.
Cap. ʒj. omn. nocte et rep. si opus sit. (195)

Oxymel. scillæ .. .. ʒiv.
Tr. cubebæ .. .. .. ʒij.
Acet. ipecac... .. .. ʒiij.
Dec. senegæ ad .. .. ℥iij.
Ft. mist.
ʒij. quartis horis sumdum. (219)

Acid. sulph. arom. .. .. ʒij.
Tinct. scillæ .. .. .. ʒiv.
Syrup. tolu. .. .. .. ʒj.
Aq. ad .. .. .. ℥iij.
Ft. gutt.
Cap. ʒj. p.r.n. (150)

Syr. picis liq. .. .. ʒj.
Syr. pruni virgin. .. .. ʒj.
Liq. morphiæ .. .. ʒiss.
Tr. benzoni co. .. .. ʒiij.
Aquæ ad .. .. .. ℥iv.
M.
Cap. ʒj. ter horæ. (2)

An excellent combination, even without the morphia.

Oxymel. scillæ .. .. ʒj.
Vin. ipecac. .. .. .. ʒij.
Syr. pruni virg. .. .. ʒss.
Ext. glycyrrh. liq. .. .. ʒj.
Tr. chlorof. and morph., B.P. (sine morph. and HCN.).. ʒj.
Dose: ʒj. for adults down to ♏x. for children. (210)

Chlorodyni .. .. .. ♏x.
Vin. ipecac. .. .. .. ♏x.
Limonis .. .. .. ♏xx.
Syr. pruni virg. ad.. .. ʒj.
Cap. ex aqua ʒss. ter in die vel tussi urgente. (66)

Liq. morphiæ hydrochl... ♏48
Tr. senegae .. .. .. ʒiij.
Glycerini .. .. .. ʒss.
Syr. limonis ad .. .. ℥ij.
ʒj. ter quaterve in die, tusse urgenti, sd. (112)

As a rule, morphia and opium are best eliminated from a cough-linctus, except in those cases of spasmodic teasing cough, violent out of all proportion to the extent of surface involved.

COUGH-MIXTURES.

Syr. scillæ .. .. .. ʒj.
Ac. hydrobromic. dil. .. ʒvj.
Sp. chlorof. .. .. .. ʒij.
Aquæ ad .. .. .. ℥viij.
M.
One tablespoonful to be taken every 4 hours. (130)

Am. carb. .. .. .. gr. lx.
Vin. ipecac. .. .. .. ʒij.
Oxymel. scillæ .. .. ℥j.
Ext. glyc. liq. .. .. ʒiij.
Dec. senegæ .. .. .. ℥j.
Aq. chlorof. ad .. .. ℥viij.
M. Ft. m.
ʒj. 4tis horis. (96)

These two mixtures are free from opium, which is a good feature.

Potassæ citratis .. .. 160 gr.
Acet. ipecac. .. .. ♏80
Tinct. camph. co. .. .. ʒij.
Glycerin. .. .. .. ʒiv.
Succ. limettæ .. .. ℥v.
Syr. scillæ .. .. .. ℥vj.
Aquæ ad .. .. .. ℥iv.
M.
St.: C. j. mag. ter die. (235)

Vin. ipecac. .. .. .. ʒij.
Tr. scillæ .. .. .. ʒij.
Tr. opii camph. .. .. ℥vj.
Spt. chloroform. .. .. ʒij.
Glycerini .. .. .. ℥j.
Syr. pruni vir. .. .. ℥iv.
Tr. cocci .. .. .. ʒj.
Aq. camph. ad .. .. ℥iv.
Dose: ℥ij. for adults; ʒj. for ten years. (14)

MIXTURES FOR A "COLD" COUGH.

TYPICAL PRESCRIPTION.

Potass. bicarb. .. .. ʒij.
Potass. iodidi .. gr. xxiv.
Tinct. nuc. vom. .. ʒiss.
Spt. chlorof. .. .. ʒiss.
Syr. aurantii .. .. ℥j.
Aquæ ad .. .. .. ℥vj.
ʒss. 4tis horis.

Acid. hydrochl. dil... .. ʒij.
Vin. ipecac. .. .. .. ʒij.
Liq. opii sed. .. .. ʒj.
Ox. scillæ .. .. .. ℥j.
Syr. pruni virg. .. .. ℥j.
Aq. chlorof. ad .. .. ℥vj.
ʒss. ter vel quater in die. (40)

Ammonii bromid. .. .. gr. x.
Spt. chloroformi .. .. ♏x.
Tinct. camphoræ co. .. ♏x.
Vini ipecacuanhæ .. .. ♏x.
Ext. Byni fluid. .. .. ʒij.
Aq. ad .. .. .. ℥ss.
M. Ft. mistura.
ʒss. o.q.h. sumenda. (180)

Liq. ammon. acet. .. .. ʒij.
Tinct. scillæ.. .. .. ʒiij.
Ext. glycyrrhy. liq. .. ℥j.
Succi conii .. .. .. ℥ss.
Tinct. camp. co. .. .. ʒiij.
Inf. senegæ ad .. .. ℥vj.
M.
ʒss. ter die sd. (232)

Syr. rhœados.. .. .. ♏40
Oxy. scillæ .. .. .. ℥ss.
Vin. ipecac. .. .. .. ♏xv.
Glycerini .. .. .. ℥ss.
Acid. sulph. dil. .. .. ♏v.
Sig.: ʒj. t. d. in ea. fl. oz. (248)

Acid. phosph. dil. .. .. ʒij.
Vin. ipecac. .. .. .. ♏xl.
Glycerine .. .. .. ℥vj.
Tr. camph. co. .. .. ʒiij.
Tr. scillæ .. .. .. ℥ij.
Aq. ad .. .. .. ℥vj.
M.
ʒss. 4tis horis ex aquæ. (148)

Spt. chlorof. .. .. .. ʒiss.
Tr. camph. co. .. .. ʒiij.
Vin. ipecac. .. .. .. ʒj.
Liq. ammon. acet. .. .. ℥j.
Syrup. scillæ.. .. .. ʒiv.
Mucil. acaciæ .. .. ℥iv.
Aq. ad.. .. .. .. ℥vj.
M. Ft. mist.
White cough-mixture. One tablespoonful three times a day. (168)

Liquor ammon. acet. .. ℥ij.
Vin. ipecac. .. .. .. ʒiss.
Ox. scillæ .. .. .. ℥vj.
Tr. camph. co. .. .. ʒij.
Aq. chloroformi ad .. .. ℥viij.
M. Ft. mist.
ʒj. 4tis horis, sd. (162)

Pot. citratis .. .. .. ʒij.
Liq. amm. acet. .. .. ℥vj.
Tr. camph. co. .. .. ʒij.
Vin. ipecac. .. .. .. ʒss.
Oxym. scillæ.. .. .. ʒiij.
Inf. cascarill. ad .. .. ℥vj.
M.
ʒj. 4tis horis. (148)

Syr. codeinæ.. .. .. ʒiij.
Tr. camph. co. .. .. ʒiij.
Glycerini .. .. .. ℥vj.
Syr. limonis .. .. .. ℥ss.
Syr. prun. virg. .. .. ℥ss.
Aquæ ad .. .. .. ℥vj.
M.
Sig.: ℥ss. 2dis horis s/la. ex aqua. (85)

Oxym. scill. .. .. .. ℥j.
Vin. ipec. .. .. .. ʒj.
Tr. camph. co. .. .. ℥vj.
Glycerini .. .. .. ℥j.
Aq. ad .. .. .. ℥viij.
℥ss. ter die ex aq. (35)

Vin. antimon. .. .. ʒij.
Tr. camph. co. .. .. ℥iv.
Oxymel. scillæ .. .. ℥iv.
Inf. cascarillæ ad .. .. ℥viij.
M.
One-eighth ter die sd. (226)

Tr. camph. co. .. .. ℥iv.
Syrup. tolu. .. .. .. ℥j.
Vin. ipecac. .. .. .. ℥iv.
Aq. chloroform. ad .. .. ℥viij.
Ft. mist.
St.: ℥ss. c. ℥ss. aquæ tussi urgenti. (95)

Oxy. scillæ .. .. .. ℥ss.
Tinct. camph. co. .. .. ℥ss.
Vin. ipecac. .. .. .. ℥ij.
Aq. ad .. .. .. ℥viiij.
M.
Cap. ℥ss. 4tis horis. (25)

Tinct. camph. co. .. .. ℥iv.
Tinct. scillæ .. .. .. ℥iiij.
Syr. tolut. .. .. .. ℥j.
Aquæ chloroformi ad .. ℥viij.
M.
Capiat. ℥ss. tertia hora ex aqua. (4)

Ammon. carb. .. .. ʒj.
Vin. ipecac. .. .. .. ʒij.
Chlorodyni .. .. .. ʒij.
Tinct. stramon. .. .. ʒij.
Glycerini .. .. .. ℥j.
Inf. senegæ ad .. .. ℥vj.
M.
Mixture for spasmodic cough and difficult breathing. ℥ss. ter die sd. inter cib. (230)

My objection to all these mixtures is that they contain opium.

CHILDREN'S COUGH-SYRUPS.

TYPICAL PRESCRIPTION.

Potass. bromidi gr. xxiv.
Potass. iodidi .. .. gr. vj.
Vin. ipecac. .. .. ʒj.
Spt. chlorof. .. .. ℥j.
Liq. ammon. acetatis conc. .. .. .. ʒj.
Syr. aurantii ad .. ℥iss.
ʒj. urg. tuss.

FOR INFANTILE BRONCHIAL CATARRH (DURING DENTITION).

Pot. brom. .. .. .. gr. xx.
„ bicarb. .. .. .. gr. xx.
Vin. ipecac. .. .. .. ♏xx.
Glycer. .. .. .. ℥j.
Syr. simp. .. .. .. ℥ss.
Aq. aneth. ad .. .. ℥ij.
M.
3 coch. parv. 3tia 9 hora. (173)

FEVERISHNESS AND COLD IN CHILDREN OVER 1 YEAR AND UNDER 4 YEARS.

Vin. or acet. ipecac. .. ♏ xl.
Liq. am. acet. conc. .. ʒj.
Spt. æth. nit. .. .. ℥iss.
Syrup. (cold. with liq. cocci) ℥iij.
1 coch. min. ter in die. (6)

Vin. ipecac. .. .. .. ℥j.
Liq. ammon. acet .. .. ℥ij.
Syrup. hemides. .. .. ℥iv.
Aquæ ad .. .. .. ℥iij.
M. Ft. mist.
St.: Coch. med. 4tis horis. (15)

Sr. tolut. .. .. .. ℥ss.
Vin. ipec. .. .. .. ℥ss.
Sp. am. co. .. .. .. ℥j.
Syr. simp. ad .. .. ℥iv.
ʒj. 3tis horis. (235)

Potass. citrat. .. .. ʒj.
Vin. ipecac. .. .. .. ʒij.
Syr. tolut. .. .. .. ℥vj.
Aq. anisi ad .. .. ℥ij.
M.
ʒj. every 3 or 4 hours. (124)

Vin. ipecac. .. .. .. ℥ij.
Liq. ammon. acet. .. .. ℥j.
Potas. bicarb. .. .. ℥j.
Syrup. tolu. .. .. .. ℥ss.
Aq. ad .. .. .. ℥iv.
Sig.: A dessertspoonful, &c., according to age. (67)

The Winter Session.

SOCIETY OF CHEMICAL INDUSTRY.

AT the meeting of the London Section of the above Society, which was held on Monday, January 7, Professor ATTFIELD read the paper on

THE NATURAL SOLIDIFIED SODIUM LAKES OF WYOMING

which his son, Dr. Harvey Attfield, had prepared. The investigation, of which this paper was the outcome, was undertaken in 1891, the primary object being a report as to the extent and character of a deposit of sodium sulphate, for the guidance of a syndicate ere it should embark in a pecuniary venture. Information respecting the average chemical composition of the deposit, the quantity, the presence or absence of sand, fuel and water, as well as the facilities for transit and the character of the district from a hygienic point of view, in case a factory should be established on the spot, were all points requiring attention. The precise *locale* of the lake was indicated on a map of Wyoming State. It occurs in the "oil district" which traverses that State in direction N.E. and S.W., and lies a short distance from one of the outlying spurs of the "Rockies," a distance of some sixty miles from the nearest railway-station.

The solidified lake has a snowy appearance due to the pulverulent sodium sulphate which rests on the surface; the longest diameter is 1,200 yards, and the reputed area 110 acres. Investigation showed, however, that by far the larger portion of this area is surface without any substratum, and the actual workable area was reduced by a series of borings to six acres; this discovery at once negatived the idea that the lake could be profitably worked by capitalists, for the glass industries of Pittsville alone would speedily consume the whole of the available sodium salt capable of being excavated from a ten acre lake.

The salt is practically anhydrous Glauber salt with about 6 per cent. of Na_2CO_3, 1·5 per cent. NaCl, and 6·9 per cent. water of crystallisation, slight differences being perceptible according as the sample was taken from the upper or lower portion of the bed. The lake rested on a bed of stiff tenacious clay, and this fact is believed to furnish the key to the problem why these deposits are found in these districts. The "weathering" of certain "spars" or spathic rocks is always going on, and as the winter snows melt the soluble matters are removed; if, instead of finding an outlet seawards, the salt-charged water drains into a lake with a more or less impervious bottom, natural evaporation goes on, and the salt, freed from its insoluble contaminations, is deposited.

The other lakes visited (for there were three close together) are situated about twelve hours' railway ride from Denver, and have already been described by Pemberton and Tucker, 1888. These lakes have also been worked for industrial purposes, and a 6,000-inch block of sodium sulphate was quarried here and forwarded to the Philadelphian Exhibition in 1876. A sample of the crystallised sulphate assayed more than 99 per cent., and the layer is asserted to be 30 feet thick. An adjacent lake, termed "Red Lake," exhibits a reddish tint in places which, it is believed, is derived from a low form of life. A similar coloration has been noticed in certain lakes in Egypt, where sulphuretted hydrogen was found to be given off, and with apparent benefit to the vegetable organism. Dr. Attfield made a similar observation in the Wyoming "Red Lake"; this salt lake was veined by vertical layers of a soft black mud, which evolved sulphuretted hydrogen freely when stirred.

CHEMISTS' ASSISTANTS' ASSOCIATION.

THE Association opened the proceedings of the second half of the session on Wednesday, when a smoking-concert was held at the Horseshoe Hotel, Tottenham Court Road. In the absence of Messrs. T. Tyrer, F.I.C., F.C.S., and J. Hodgkin, F.I.C., F.C.S., Mr. J. S. Ward, of Messrs. Hodgkinsons, Treacher & Clarke, and Mr. E. J. Millard, F.C.S., acted as Chairmen.

This new departure of holding a musical and social evening at other than its own rooms proved to be a marked success.

Under the direction of Mr. H. H. Robins (Mr. Guyer acting as Secretary), an excellent music and song programme was disposed of, the following gentlemen contributing:—Messrs. Mackadam, Lewis, Coles, Sydney Jamieson, Mackenzie, Coles Webb, Fuller, A. Webb, Parker, Fitzgerald, Goodyear, Barrett, and Herr Wernel.

Amongst the hundred and fifty or more members and friends present were Professors Green and Greenish, and Messrs. W Gowen Cross, Richard Bremridge, Edmund White, Clarke, T. C. W. and C. Martin, H. Ernest Hall, and Frank A. Rogers.

During the interval a vote of thanks to the Chairman and Vice-Chairman was moved by the PRESIDENT (Mr. R. H. Jones), seconded by Mr. STROTHER, to which Mr. WARD and Mr. MILLARD replied.

New Companies.

JAMES WOOLLEY, SONS & CO. (LIMITED).—Capital 150,000*l.*, in 10*l.* shares. Objects: To acquire, take over as a going concern, and carry on the business of pharmaceutical chemists and wholesale and retail druggists now carried on by George S. Woolley, Hermann Woolley, Charles A. Johnstone, and Edward J. Woolley at 12 Victoria Bridge Street, Salford, and at Knowsley Street, Cheetham, and 67 and 69 Market Street, Manchester, under the styles or firms of "James Woolley, Sons & Co.," and "James Woolley," and to enter into an agreement with the said vendors for the purpose. The first subscribers (who take one share each) are:—G. S. Woolley, H. Woolley, C. A. Johnstone; E. J. Woolley, and E. S. Johnstone, all of 12 Victoria Bridge Street, Salford; A. E. Blair, 69 Market Street, Manchester; J. H. Franklin, The Laboratories, Knowsley Street, Cheetham, Manchester—all of whom are described as pharmaceutical chemists. The first directors (to number not less than two nor more than five) are George S. Woolley, Hermann Woolley, Charles A. Johnstone, and Edward J. Woolley. Qualification, 1,000*l.* Remuneration, as the company may determine. Registered office, 12 Victoria Bridge Street, Salford, Lancs.

GOLDEN HORSE POWDER SYNDICATE (LIMITED).—Capital 2,000*l.*, in 1*l.* shares. Objects: To acquire the business of Robert Woodend, of 5 Zetland Street, Southport, Lancs, manufacturer of the "Golden Horse Powders," to enter into an agreement with him for the purpose, and to manufacture, sell and deal in The Golden Horse Powders, and condiments of every description, for the use of horses, cattle, sheep, dogs, &c. The first subscribers (who take one share each) are:—J. H. Wilkinson, Chancery Lane, W.C., actuary; J. H. T. Cottier, Freshfield Road, Formby, gentleman; J. W. S. Holt, Chapel Street, Southport, solicitor; E. F. Court, Manchester Road, Southport, clerk; R. Woodend, Zetland Street, Southport, gentleman; S. Hargreaves, Westbourne Road, Birkdale, gentleman; J. E. Hindle, Sussex Road, Southport, auctioneer. The first directors (to number not less than three nor more than seven) are to be appointed by the subscribers. Remuneration, as the company may decide.

BARNES SOAP COMPANY (LIMITED).—Capital 5,000*l.*, in 1*l.* shares (of which 2,000 are 7½ per cent. pref.). Objects: To acquire the business carried on by a company of the same name, to enter into an agreement dated December 18 with Frederick W. Green, and to manufacture, refine, sell and deal in soap, oils, paint, varnish, colours, candles, fuel, printing-ink, insecticides, chemicals, &c. The first subscribers (who take one share each) are:—H. V. Powney, Derby Street, W.C., gentleman; J. T. Thompson, Nevill Road, Stoke Newington, gentleman; S. Martin, Marshall Street, W., secretary; H. D. J. Chudleigh, St. George's Road, Forest Gate, E., secretary; E. W. F. Ingrey, Grey Friars, Putney, accountant; E. Fowler, Morrison Road, Lavender Hill, S.W., gentleman; C. H. Watson, Grosvenor Terrace, Camberwell, clerk. The first directors (to number not less than two nor more than seven) are to be nominated by the subscribers.

DONALD MACPHERSON & CO. (LIMITED). — Capital 10,000*l.*, in 1*l.* shares (of which two are founders'). Objects: To acquire the business now carried on at Manchester and elsewhere under the style or firm of "Donald Macpherson &

Co."; for that purpose to enter into an agreement with Donald D. Macpherson and Sidney W. Tamplin, and to carry on the business of manufacturers, importers, and exporters of and dealers in paints, oils, colours, pigments, varnishes, enamels, greases, brushes, cotton and other waste, sponges, cloths, cements, ropes, &c. The first directors (to number not less than two nor more than five) are Donald D. Macpherson and Sidney W. Tamplin, who are joint managing directors. Remuneration—Donald D. Macpherson, 450*l.* per annum; Sidney W. Tamplin, 225*l.* per annum till November 1, 1897, and 450*l.* per annum after.

CHARLES NORRINGTON & CO. (LIMITED). — Capital 100,000*l.*, in 100*l.* shares. Objects: To acquire, take over as a going concern, and carry on the business of a manufacturer of sulphuric acid, chemical manures, and aluminous cake, carried on by Charles Norrington, at Plymouth, Devon, as "Charles Norrington & Co.," and all assets and property connected therewith, excepting certain stores and business premises situate at Launceston and Tavistock, and to enter into an agreement to be made with the said vendor for that purpose. Registered office, Cattledown, Plymouth.

French News.

PHILISTINES.—Besnard's fine frescoes in the vestibule of the Paris School of Pharmacy have been so much damaged by the students that they are considered to be beyond restoration.

AT THE ACADEMY OF SCIENCES last Monday the usual interesting ceremony incident to the beginning of the year was gone through in the matter of installing the new President for 1895. M. Lœwy, the retiring President, reviewed the work accomplished by the Academy during his term of office, and then resigned his seat to M. Marey, last year's Vice-President. The meeting then proceeded to the election of a new Vice-President, and its selection fell on M. Alfred Cornu, the eminent professor of physics at the Ecole Polytechnique. After this, routine business was proceeded with, and this included an interesting paper by M. Henri Moissan on his carbon experiments.

A PHARMACIST'S RESPONSIBILITY.—On January 4 judgment was given by the Tribunal of the Seine in a case in which M. Claude Malavent, pharmacist, 19 rue des Deux Ponts, Paris, was prosecuted for having contravened Article 32 of the law of Germinal 21, Year XI., by selling in his pharmacy a medicinal preparation or compound drug not in conformity with the doctor's prescription delivered to him. The case has attracted a good deal of attention, and gave rise to an interesting question of law as to whether a pharmacist is legally responsible for an error committed by his assistant, M. Malavent's defence being that the medicine in question was prepared during his absence, and that in any case it would be absolutely impracticable for him or any other pharmacist to control the preparation of medicine not made up by himself. It appears that 80 centigrammes of musk was ordered in the prescription, and this was omitted by the assistant either through carelessness or because he misread the prescription. Dr. Duchesne, the medical man who gave the recipe, had informed his client that, on account of the high price of musk, the medicine would cost at least 10f., while M. Delanoé, the assistant, only charged 1f. 60c. The patient was surprised at the low price, and mentioned it to his doctor. The latter suspected an error, and wrote out a second prescription, in which musk was again ordered. It happened that the same assistant made up the medicine and charged the same price as before. The result was that Dr. Duchesne had the medicine analysed, and it was found that it only contained three-eighths of the quantity of musk ordered. The Judge, in summing up, stated that the delivery and sale of the medicine were the only questions at issue, as, according to Article 32, the pharmacist is supposed to deliver personally all medicine leaving his officine. He held that no privileges are conferred on assistants by French law, independently of the owner of the pharmacy, for the preparation and sale of medicaments. A certain term of service in a pharmacy is imposed on assistants merely as an apprenticeship. The Judge added that the latter are not mentioned in the law—thus, if, as the defendant tried to prove, they are responsible for their own errors, mistakes could be made with impunity. Consequently it was held that M. Malavent alone must be held responsible for his assistant's want of care, and judgment was given against him for 500f.

Foreign and Colonial News.

APOTHEKER BENZON, President of the Danish Pharmaceutical Society, and Mrs. Benzon have given 10,000 kroner (550*l.*) towards a fund for indigent pharmacists.

CHEMICAL-WORKS IN POLAND.—A chemical-works, which will chiefly produce sulphuric acid, is about to be erected in Warsaw by a combination of Belgian and Russian capitalists.

PHARMACY IN SPAIN.—The Spanish Senate is engaged in debating a new law for public hygiene. It has also appointed a Commission to consider a new Pharmacy Bill which has been passed by the Chamber of Deputies.

BELGIAN PHARMACY.—The pharmacists of Belgium are promoting a new Pharmacy Bill, the chief object of which, apparently, is to annul the effect of the judgment of last year, which made it penal to sell any proprietary medicine of which the formula was not disclosed on the label.

GERMAN SULPHURIC-ACID WORKS ON FIRE.—On the evening of December 25 a fire destroyed the sulphuric-acid works of the Chemical Factory at Buckau, near Madgeburg. The fire was visible for miles around, and the whole neighbourhood of the works was rendered temporarily insufferable by the sulphurous-acid fumes generated in the process of extinguishing the flames with water.

APOTHEKERS AND DOCTORS IN GERMANY.—At the end of 1894 there were 5,215 pharmacies in the German Empire to provide for the needs of a population estimated at 51,400,000. The German Medical Register contains the names of 22,287 medical men resident in the country. There is, therefore, to every 10,000 inhabitants of Germany 1·02 pharmacy and 4·47 qualified medical practitioners. In 1876 the pharmacies numbered 4,416, the doctors of medicine 13,384; in 1887 the figures were 4,680 and 15,824 respectively. The number of medical men has therefore increased by 71·86 per cent. within the last nineteen years, while that of pharmacists in business has only increased by 18·09 per cent. The reason is, of course, that the practice of medicine is free to qualified men, but no qualified apotheker is allowed to open a shop without a licence, and the issue of such licences is limited as nearly as possible to one for every 10,000 of population. In the course of the last six months, for instance, only 42 new licences were granted by Government.

PROPOSED INCREASE IN THE ETHER AND HONEY DUTIES IN GERMANY.—The German Government have laid before the Reichstag a Bill for the revision of the Customs tariff. Among other alterations, the measure increases the import-duty upon honey, not in the comb, from 20m. to 36m. per 100 kilos. (= 9*s.* to 16*s.* 3*d.* per cwt.). The present duty is one of 20m. for all kinds of honey, and comb-honey will be kept at that figure. The reason given for the proposed increase is that a great part of the substance now imported as honey is in reality nothing but glucose, and that artificial honey is now prepared in such a manner that it cannot be chemically distinguished from the natural product (*sic!*). Hence the sugar-duty, having been increased to 36m. per 100 kilos. some time ago, it is now proposed to apply the same tax to honey, which may possibly consist partly or wholly of sugar. The duty on ether of all kinds (excepting sulphuric ether) is to be raised from 20m. to 180m. per 100 kilos, on the ground that the German manufacturers are compelled to use duty-paid spirit in the preparation of ethers, and that this duty amounts at present to 80m. per hectolitre, which gives the foreign maker, who uses duty-free alcohol, an unfair advantage. The importation of ether into Germany has advanced from an average of 6,000 kilos. from 1880 to 1889 to 90,100 kilos. in 1891, 29,600 kilos. in 1892, and 31,300 kilos. in 1893. Sulphuric ether, which is made in Germany from duty-free spirit, is to remain dutiable at the rate of 20m. per 100 kilos.

GOLD MEDALS 1884-1885-1886-1888.

"SANITAS"

DISINFECTANTS

FRAGRANT—NON-POISONOUS—DO NOT STAIN.

Kingzett's Sulphur Candles & Sulphugators,
Preserved Peroxide of Hydrogen.
Mercuric Bactericide, Eucalyptus Oils.
Price Lists and Pamphlets Free.

THE SANITAS CO., LIM., Bethnal Green, LONDON, E.

ELLIS'S TABLE WATERS

"The water is of first-class organic purity, and the quality of the gas is excellent."—J. ALFRED WANKLYN, M.R.C.S., Prof. of Chem.

"Absolutely Pure."—A. URE, M.D., F.R.S., L. THOMPSON, M.R.S., Analytical Chemists.

SOLE ADDRESS— [2]
R. ELLIS & SON, RUTHIN, NORTH WALES.
London Agents: W. BEST & SONS, Henrietta Street, Cavendish Square.

THE OLDEST ENGLISH & AMERICAN CHEMIST in PARIS (founded 1808)
BOISSY late GALLOIS
2, Place Vendôme, Corner of rue St-Honoré
would undertake one or two additional agencies for patent Medicines, Sundries, etc.
Special connexion amongst Doctors in Paris & Provinces.

PUREST IN ENGLAND.

BOURNE TABLE WATERS

SODA, SELTZER, LITHIA, POTASH, LEMONADE, GINGER ALE, &c.

Supplied in Six Dozen Cases, Carriage Paid, by

Analysis, &c., on Application.

R. M. MILLS & CO., BOURNE, LINCOLNSHIRE.

West End Agent, D. WHEATLEY, 16A North Audley Street, W. City Agents, RAE & CO., 23 Fenchurch Street, E.C. And of all Chemists, Wine Merchants, Hotels, &c.

COD LIVER OIL

FINEST PALE TASTELESS
12
Winchester Quarts,
4/9
per gallon.

Special quotations for quantity.

HORA & CO., 47 Minories, LONDON.

MOSS'S EMULSION OF COD LIVER OIL AND HYPOPHOSPHITES.

Sweet as Cream. No Separation. 50 per cent. of Oil.
TAKEN READILY BY THE MOST FASTIDIOUS.

JOHN MOSS & COMPANY
Galen Works, Wilson St, New Cross Rd, LONDON, S.E.

PATENTS, DESIGNS, & TRADE MARKS.

Searches effected through the Classified Volumes of the Society free of charge. Registrations throughout the world. Advice as to infringements preliminary to litigation. Apply—
TRADE MARK SOCIETY, LIMITED,
1 FURNIVAL STREET, E.C.

ABSOLUTELY PURE ESSENTIAL OILS.
A. M. TODD'S
DOUBLE REFINED PEPPERMINT, &c.

See Advertisement, page 9 (bottom folio).

FRENCH ESSENCES
ESSENTIAL OILS
OTTO MUSK.
Warrick Brothers
Old Swan Lane London E.C.

TRADE MARK REGISTRATIONS.
(HOME, FOREIGN, AND COLONIAL.)
MODERATE INCLUSIVE FEES
SEARCHES. REPORTS. DESIGNS.
T. B. BROWNE, 163 QUEEN VICTORIA ST., E.C.

FLETCHERS' CONCENTRATED LIQUORS AND FLETCHERS' HYDROBROMATES.
Sole Manufacturers—
Fletcher, Fletcher & Co.,
HOLLOWAY, LONDON, N.
N.B.—Telegraphic Address—"HYDROBROMIC LONDON."

Editorial Comments.

THE PHARMACOPŒIA.

THE younger generation in Glasgow pharmacy appear to differ from the older generation. On two occasions recently

we have reported their aspirations in regard to the revision of the British Pharmacopœia, and these aspirations are little short of revolutionary. Perhaps they are not aware that one amongst them—that admirable, and at one time militant, pharmacist, Daniel Frazer—was a warm exponent of the other course of action, although in everything else no one would charge Mr. Frazer with being conservative. But he used to say—and there was much force in his words when he uttered them—that the British Pharmacopœia was the physician's prescription-book, and pharmacists should have nothing to do with altering it. Since that time the aspect of affairs has changed, and the B.P. is regarded as a standard for such things that are in it which chemists and druggists sell by retail. This has been established since the Pharmaceutical Societies of the kingdom declined to aid the Medical Council in the revision of the Pharmacopœia published ten years ago, for reasons far removed from Mr. Frazer's dictum, but which at that time justified the policy. Now Mr. Boyd and many others with him are advocating an ambitious policy of revision, and we wonder where all this is to lead to. First, there is the question of adding to the Pharmacopœia a formula for every medicinal preparation, great and small, which is not in it, and which happens to be in use at present. From the practical standpoint it would be a very good thing for us all if such counsel were freely taken, for nothing can be better than to turn to a compact volume to find a recipe for a thing which is suddenly wanted. It is convenient also, if the thing does not turn out quite right, to shelter ourselves behind that deadly dictum, "It's B.P." This cuts another way, however. Once an article is in the B.P., either by formula, innocent synonym, or probably vague foot-note, it becomes a weapon of offence for public analysts and food-and-drug inspectors to wield. This latter consideration appears not to have been thought of by idealist revisionists. They seem only to recognise that there are certain inconveniences at the dispensing-counter from the lack of standards for certain things. For example, syr. hypophos. co.—well, Fellows's syrup is what everybody has imitated, and the strictly conscientious pharmacist should, therefore, dispense Fellows's, since it is the standard that all go by. So with Easton's; the original formula is accessible, and even if we improve upon it pharmaceutically, as everybody tries, the syrup is still of Easton's strength. This, however, is another consideration. We must repeat that a degree of caution is required in introducing new substances, new preparations, and new synonyms into the Pharmacopœia. Time must be allowed for them to come into general use before they are officialised, and we must be sure that the standard chosen does not throw the practice of any considerable part of the country into confusion. Even the bulk of the Pharmacopœia is entitled to some consideration. At present it is about the average amongst Pharmacopœias, for it contains 898 articles. The German has 603, the American 994, Swiss 1,038, Belgian 1,140, Spanish and Portuguese about 1,600 each, and the French Codex 2,039. The last-named contains formulæ for such things as eau de Cologne and tooth-powder. It is on the lines praised by ambitious Pharmacopœia advocates. What if their ideals were realised? Weekly prosecutions for the sale of non-official pomade and opening-pills, mayhap.

Limiting ourselves to the higher issues, however, there comes in the consideration of officialising imitations of popular medicines. There is no question about the legality of this course—it is on the morality that we have qualms of conscience; but since the British Pharmaceutical Conference, and even the pharmacopœial authorities, have succeeded in rising superior to that, the principle may be taken as established. The only thing that remains is to make a choice selection of proprietary articles which the General Medical Council should provide formulæ for, and in this work they will need assistance—much assistance. But there will be no assurance that the old proprietary articles will die out and new ones will not come forward. We do not suppose that Fellows's syrup would suffer a bit more than Browne's chlorodyne from the introduction of a B.P. imitation of it. While we have a rage for specialising in medicine and pharmacy extra-pharmacopœial medicines will be popular, and the British Pharmacopœia will not stop them as the idealists seem to think.

Mr. Boyd advocated the introduction of formulæ for certain pills, powders, &c., and there was much good sense in what he said on this point. Our aperient and astringent pills look terribly antiquated in the light of modern knowledge; but when we regard the facts about them, the frequency with which they are called for, there appears to be little justification for wholesale revolution. Still, we agree so far with this suggestion as to urge the Pharmacopœia Committee to consider whether they cannot add to galenical preparations in each class of pharmaco-dynamics some including modern remedies. If they succeed in doing this (past experience makes us doubt a general success), we hope that popular names will not be adopted; anything like "Aperient Pill," "Diarrhœa-mixture" or "Digestive Powder" would be fatal to many private interests, and the interests of the drug-trade as a whole. But we would have no objection to a brief general statement of the therapeutic uses of such preparations. We also agree that it is time to remove a large number of almost obsolete remedies from the Pharmacopœia, not because it is useless to have them there, but that room may be made for more important articles. There is little to be gained by increasing the bulk of the book largely. At present it is one of the cheapest of Pharmacopœias, and though highly profitable to the Medical Council, it would be unreasonable to complain if the price were raised when the size was increased. Yet there would be a howl all round if that happened.

OUR FOREIGN TRADE IN 1894.

THE official returns relating to the export and import trade are justly regarded as a valuable portion of the materials from which the economist forms his opinions of the commercial position of a given nation, and in no country are those statistics published with greater promptitude than in our own. It is true that our "Board of Trade Returns," as they are familiarly called, are capable of improvement in in the matter of minuteness, but their accuracy is probably greater than those of other countries where complex and high Customs tariffs offer special inducements for false representations concerning the nature and value of imported merchandise, or for smuggling. The official accounts of the foreign trade of the United Kingdom for 1894 do not look quite so black as might have been expected from the almost unexampled complaints of stagnation of trade during the past twelve months. The subjoined figures relate to the aggregate declared value of our foreign trade during the past thirteen years in millions of pounds, the fractions of millions being omitted in order to allow of a readier comparison of the figures:—

Imports in Millions £.

1894	1893	1892	1891	1890	1889	1888
408	404	423	435	420	427	387
1887	1886	1885	1884	1883	1882	
362	349	370	390	426	413	

Exports in Millions £.

1894	1893	1892	1891	1890	1889	1888
274	277	291	309	328	314	297
1887	1886	1885	1884	1883	1882	
280	268	271	295	305	306	

At first sight these statistics appear to indicate that the rapid increase in foreign trade which marked the four years from 1888 to 1891 has been followed by a symmetrical period of retrogression during which we have fallen back to almost the lowest point touched within the last thirteen years. That view, however, is only partly correct. There has been an extraordinary decline in the value of almost all staple articles in the course of the period under review, and a decline in the total value of goods exported and imported may well have been accompanied by the steady maintenance, or even an actual increase, in the quantities of merchandise that have reached and left our shores. And it is certainly more to the interest of the great mass of the population to be able to buy their requirements at low prices than that the goods they produce should sell at high figures. From this point of view, therefore, the shrinkage in the value of our foreign trade is much less alarming than it looks to the manufacturer or exporter.

The principal classes of merchandise which exhibit increased values of imports in 1894 over 1893 are raw materials (4·6 per cent.), manufactured goods (4·7 per cent.), and living animals (43 per cent.). But the imports of articles of food and drink have decreased by about 3 per cent., and metals also show a slight falling-off. In British and Irish exports there have been notable increases in the value of the shipments of (A) articles of food and drink, (B) raw materials, and (C) machinery. Class A includes "pickles, sauces, condiments, and confectionery," of which we exported 1,136,933*l.* worth in 1894, against 1,102,849*l.* in 1893, and "provisions," of which the figures are 815,643*l.* and 722,414*l.* respectively. These trades are not of great importance yet in the budget of our national commerce, but their growth is noteworthy as affording evidence that in one branch of industry—that of food-preservation—this country more than holds its own. The figures also confirm the statements of foreign explorers who have come to this country lately to victual their expeditions that the science of extracting the valuable elements from food and preserving them has nowhere attained to such eminence as in Britain. The export salt trade, which since the formation of the Salt Union has suffered greatly from foreign competition, has also revived considerably. The renewed vigour with which Americans, South Africans, and Australians applied themselves last year to the consumption of British and Irish spirits is, perhaps, a doubtful cause of rejoicing. The increase in the exports of raw materials is wholly accounted for by increased coal-shipments, which represent so much reduction of our stock of natural riches. Yarn and textile shipments, which form nearly one-half of our total export trade, keep up fairly well, but in metal goods there has been a considerable decline. The machinery shipments show a large increase, but as a great portion of these eminently utilitarian articles are purchased by foreigners only to enable them to do without our manufactures, it is doubtful whether, from our point of view, this is an encouraging fact.

It is a matter of some significance that while the value of British alkali exported has undergone a considerable decrease, the quantity and value of foreign alkali imported into this country has risen from 56,245 cwt. (worth 41,516*l.*) in 1892 to 155,657 cwt. (worth 103,824*l.*) in 1894. Of unenumerated foreign chemicals we imported 1,502,294*l.* in 1892, 1,355,646*l.* in 1893, and 1,375,287*l.* in 1894. For the first time, glass bottles are mentioned separately in the import-list. We received 821,728 gross of them (value 425,852*l.*) last year. Our exports of British-made bottles were worth 360,343*l.* in 1892, 305,781*l.* in 1893, and 302,825*l.* in 1894.

The exports of "chemicals and chemical and medicinal preparations" may here be mentioned in such detail as the official statisticians vouchsafe. They have been as follows:—

—		1892	1893	1894
Alkali	cwt.	5,885,600	5,832,700	5,979,460
"	value £	2,119,440	1,857,928	1,629,779
Bleaching-materials ..	cwt.	1,489,700	1,327,700	1,290,864
" " ..	value £	598,649	550,700	504,909
Medicines, comprising drugs	"	1,013,231	945,483	982,995
Unenumerated articles ..	"	2,715,762	3,016,781	3,044,081
Cinchona-bark	cwt.	112,322	73,995	57,696
"	value £	203,557	109,487	99,677
Foreign chemicals re-exported	value £	216,709	196,857	216,332
Gum acacia	cwt.	52,331	44,179	37,459
" "	value £	113,910	98,412	79,976
Cocoanut oil	"	51,362	62,841	117,116
Olive oil	"	140,834	117,407	226,129
Palm "	"	738,905	829,350	762,121
Quicksilver	"	332,577	240,048	259,378

It is a pity that some effort is not made by the authorities to bring about a greater reciprocal uniformity in the classification of articles among the different countries of the world. The American, French, and German trade statistics give particulars of the imports and exports of all the principal drugs, essential oils, and fine chemicals; in our returns nearly the whole of these goods are lumped together under the meaningless headings of "unenumerated articles" and "medicines, comprising drugs."

THE IPECACUANHA "ALLOWANCES."

In our issue of last week we referred to the agitation lately set on foot for the abolition of the customary allowances upon the sale of ipecacuanha in the London produce-market. The question was discussed out at Thursday's drug-auctions, and ended, as will be seen from the account of the proceedings on another page, in the appointment of a committee to inquire into the whole matter of drug allowances.

The advocates of the abolition of the "trett" allowance take their stand upon the alleged increase of the direct shipments of Colombian and Brazilian ipecacuanha to France. There seems to be good reason for believing that such a tendency does exist, but it is a pity that the abolitionists did not bring forward definite statistics in support of their assertion at the time when they started their agitation, for it could not have been very difficult for them, if the French competition is really so threatening as they would have us believe, to prove their case from the evidence of official statistics. Meanwhile, it is of some interest to consider the bearings of the question so far as the buyers in the Mincing Lane market are concerned.

In the first place, it is clear that if the French imports are increasing, their growth is collateral with a marked expansion of the London imports. For the fifteen years or so preceding 1886 our average imports of ipecacuanha did not exceed 700 packages annually, the smallest figures during that period being 490 packages in 1880; the largest in 1882, when 1,024 packages were received into the London warehouses. Since then our ipecacuanha trade has, in the well-worn phrase, increased by leaps and bounds. Here are the figures for the last ten years:—

Year	1885	1886	1887	1888	1889
Imports	662	591	613	512	1,101
Deliveries	715	642	561	724	947
Year	1890	1891	1892	1893	1894
Imports	1,349	1,297	1,938	1,742	1,446
Deliveries	1,176	1,133	1,642	1,649	1,387

Taking 3*s* 6*d*. per lb. as the average value of the drug, our ipecacuanha trade is, at a moderate valuation, worth about 32,000*l*. a year. These statistics certainly do not show much to complain about. It is true that since 1891 the quantity of Colombian ipecacuanha imported here has increased very considerably, but, even if this variety be left out of account altogether, the trade in Brazilian root still shows a noteworthy expansion. Yet, it is said, our superiority is menaced, because the Brazilian exporters are finding out that they obtain better returns for what they send to France direct than for the root they consign to London. If that is really the case, it would be well worth inquiring whether the cause does not lie in the greater expense of handling the goods in the Port of London than in the warehouses of Havre and Paris. The notorious unprogressiveness and general unadaptability to the changing conditions of trade on the part of the managers of the docks in this port have often been contributory causes of the deviation of trade in produce to more economically-managed continental ports. We do not say that it is so in the case of ipecacuanha, which is a comparatively expensive drug, and better able to bear costly handling than many others. It may even be that the old system of tares, "tretts," "drafts," and the like is out of date, and that the trade of London would ultimately benefit by its abolition. There is certainly an eighteenth-century flavour about some of the odd trade customs that have been handed down to us from the old company-days when London had the unchallenged monopoly of the importation of certain classes of produce. But if the advocates of the innovation think that such an expedient as the abolition of a few allowances is going to help appreciably to make London the one drug-centre of the world they deceive themselves altogether. London has never held that position in the past, nor will it in the future. No amount of allowance-tinkering will alter the tendency of modern trade towards simplification of distribution. It is rather a matter of congratulation that, in spite of the growth of rival importing markets abroad, the London drug-trade should have continued to hold its own as it has done; for, in bulk, it is probably bigger now than it ever has been, and, with the increase of population and industrial activity abroad, it is unavoidable that a certain portion of articles should find their way directly to the consuming countries. Good may come, nevertheless, of the deliberations of the committee that has now been appointed, and it is certainly much better that a matter of such general interest to the drug-trade should be discussed by a representative body of the whole of that trade, and a definite decision arrived at, than that proposals for the abolition or alteration of this or that custom should be fitfully sprung upon the druggists at irregular intervals. Perhaps a thorough change in the London selling-terms of drugs is necessary; still, the druggist-middleman, so long as his services are required, is worthy of his hire. No branch of the produce trade requires sounder judgment, greater general and technical knowledge, than his. The druggist's experience is the result of years of application. The articles, in which he deals are not sold ton-wise, like sugar or coffee, nor by cargo loads, like wheat or nitrate of soda. For him a "bare commission," such as pays the dealer in staple articles of consumption, is not a fair remuneration, and the man who pretends that he works upon such a basis is pretty sure (unless his connection is a very extensive one) to "take it out of" his clients in some way. The "trett" allowance, round which all this hubbub revolves, is a very moderate one. After all, the French middleman must live as well as his British colleague, and we question greatly whether his services could be rendered more cheaply. The days when selling produce in Mincing Lane was as good as owning a gold-mine are gone for ever. Competition has long ago brought down profits to a point beyond which they cannot well fall. Cutting off the remaining small "allowances" on drugs may in the end mean either that the middleman will be forced to recoup himself in some other way, or that he will leave these pruned-down drugs alone and turn his energies into a channel where they find more profitable remuneration. The middleman, on his part, would do well to remember Adam Smith's words, which remain as true to-day as when they were written over a century ago:—"When profit diminishes," said the author of the "Wealth of Nations," "merchants are very apt to complain that trade decays; though the diminution of profit is the natural effect of its prosperity, or of a greater stock being employed in it than before."

ANTITOXIN FATALITIES.

Mr. Lennox Browne writes to the *Medical Press* to say that a further experience of antitoxin has resulted in six deaths out of a total of eight cases, all due to inflammation of the kidneys. This is a singular confirmation of the testimony from Dr. Benda, of Berlin, who, on *post-mortem* examination of 39 subjects dying under the antitoxin treatment, found nephritis in 33 cases, eight of which were of severe grade. Mr. Browne thinks that if we are to get at the truth of the results of antitoxin treatment an autopsy should be made on every case dying under it.

THE TRADE IN KOLA.

Last summer the United States Government instructed its Consuls at Bathurst, Goree-Dakar, Mourovia, and Sierra Leone on the West Coast of Africa, at Mozambique and Zanzibar on the East Coast, and at Tamatave in Madagascar to collect information on the cultivation of the kola-tree and the trade in its seed. As might have been expected, the Consuls in Madagascar and Zanzibar report that the kola-nut does not grow in their districts, and is not imported there. No reports from the other representatives who have been written to have yet been published, with the exception of one by Mr. Pooley, the Consul at Sierra Leone. According to that gentleman the kola-fruit grows in pods containing from three to eight seeds. When full the pod changes from a green to a red-brownish colour. The seeds, when collected, are laid by for a few days to allow the skin to soften, that it may be easily removed by washing. The seeds are exported fresh and dry. To keep them fresh care should be taken that they are properly washed with clean, fresh water, not a particle of the decayed skin being allowed to remain on. After the water has drained the seeds are put into a cane basket, inlaid with a broad leaf from a plant of the natural order *Malvaceæ*, peculiarly adapted to keep the nuts fresh for a considerable time—say, three months and more—and to keep away worms, which are very destructive to the seeds. After the removal of the skin, by washing, the seeds, if they are to be exported dry, are simply split into pieces and dried in the sun. The fresh nuts are sold in Freetown at from 2*l*. to 4*l*. per bushel. The total exports of kolas from Sierra Leone in 1893 amounted to 9,354 cwt., valued at 40,105*l*. The natives, says the Consul, usually eat one nut in the early morning to ward off craving for food while travelling, and one at night to induce sleep.

CHLORATE-OF-POTASSIUM LOZENGES ARE DANGEROUS.

Dr. Lindsay Johnson (Stratford Place, W.) writes to the *British Medical Journal* regarding a patient for whom he ordered ordinary chlorate-of-potash lozenges (B.P.), which were kept loose in the waistcoat-pocket for convenience. Without thinking what he was doing, he put an unopened Swedish safety box of matches into the same pocket. While bending

down to pick up something on the floor the lozenges rubbed against the friction-paper on the outside of the box. This set the entire box alight, and the heat kindled all the matches in the box. The lozenges added fuel to the flames. The result was that the gentleman was instantly in flames, the combustion being of explosive violence. He was severely burned. Dr. Johnson thinks that it might be well if a caution were to be printed on the bottle or box in which the lozenges are sold to the effect that they should in no case be carried loose. With this recommendation we entirely agree. This is not the first occasion we have recorded accidents like the above, and Mr. Alden's alarming story about the disappearance of two men who used chlorate-of-potash lozenges is enough to make all druggists regard these apparently harmless and nasty sweets with greater caution than they do.

FAILURES IN 1894.

The total number of failures in the United Kingdom in 1894, comprising bankruptcies (5,546), deeds of arrangement (4,467), and Scotch trust-deeds (494), was 10,507, which is 151 fewer than in 1893, the year when, under the existing Bankruptcy Acts, failures had reached high-water mark. We find from the valuable tables published half-yearly by Mr. Richard Seyd, F.S.S., that chemists and druggists share in this slight improvement. In 1893 our trade contributed 34 bankruptcies and 37 deeds to the total; in 1894 the record was 27 and 31 respectively. These include in both years the failures in both the wholesale and retail branches. Among aërated-water makers there were in all 26 failures in 1894 (32 in 1893); in the medical profession there were 37 failures in 1894 against 54 in 1893. It may promote our modesty to compare these humble figures with the more imposing statistics of other trades. Grocers, for instance, have a record of 875 failures, drapers 551, farmers 578, publicans 704, builders 519. Of these the last two have exceeded the 1893 totals, while the others show a fair improvement.

CHLOROFORM-NARCOSIS.

The Hyderabad Chloroform Commission report has met with another reverse. Professor Leonard Hill, M.B., in a communication to the Royal Society on "The Influence of the Force of Gravity on the Circulation," refers specially to chloroform-narcosis, stating that chloroform rapidly paralyses the compensatory vaso-motor mechanism and damages the heart. Ether, on the other hand, only paralyses the compensatory vaso-motor mechanism very slowly, and when pushed in enormous amounts, the vaso-motor paralysis induced by these anæsthetics lasts for some considerable time after the removal of the anæsthetics. He finds that chloroform can, by destroying the compensation for gravity, kill the animal, if it be placed with the abdomen on a lower level than the heart, but elevation or compression of the abdomen immediately compensates for the vaso-motor paralysis produced by chloroform, and this, coupled with artificial respiration and with squeezing of the heart through the thoracic walls, is the best means of restoring an animal from collapse after the administration of chloroform. These views are entirely opposed to the conclusions of the Hyderabad Commission.

Lipoxanthin is the name of the derivative of carrotin, which has been isolated from the arillus of the fruit of *Aspelia luangensis* by Dr. Hermann Schrötter.

At the Counter in China.—Enter Celestial Lass: Good mornin' mastah; you have got this side one piecee smellee water some-man callee he "Kiss my quick"? Assistant (thonghtfully): No, my velly sorry my no got, before time have got plenty. (Assistant wishes the question were put to him by a pretty English girl under the mistletoe, when he would *not* say no.)

Reviews and Literary Notes.

Mrs. Fred Reynolds has changed the name of her story to "Llanartro: a Welsh Idyll."

Professor Oscar Olberg, of Chicago, is to assume editorial charge of the *Bulletin of Pharmacy*. This does not involve any change in his professorial duties at the North-Western University.

Our Dogs is the name of a new penny weekly devoted solely to dogs. It is published in Manchester, is a big penn'orth, and is full of good reading for doggy people, among whom are many chemists.

The *Publishers' Circular* has an interesting analytical table showing the number of new books and new editions in various branches of literature published in this country in 1894. The total number of books published was 6,485, or 103 more than in 1893. New books devoted to "medicine, surgery, &c." (a branch which includes pharmacy), numbered 97, new editions of books of this class 59. In 1893 the figures were 93 and 58 respectively. Next to that on "arts and sciences" the department of "medical" literature was the smallest of the fourteen into which the *Circular* divides the year's publications.

Dr. Raoul Blondell, formerly demonstrator of the Faculty of Medicine and Secretary of the Société de Thérapeutique de Paris, has just been appointed editor of the *Revue de Thérapeutique*. This journal has already been in existence sixty-two years, having been established in 1833. Dr. Blondell has associated with him a number of clever young workers in medicine and surgery; and the Secretary of the editorial committee is Dr. E. Vogt, son of the celebrated Carl Vogt, of Geneva. Under the direction of these able writers the journal will, no doubt, have continued success. We observe that it is intended to publish two original articles in each issue.

Mr. Malcolm Morris has begun his editorship of the *Practitioner* in good style. The number for January contains several excellent original papers, and in "The Month" Mr. Morris has something to say about his journal and about the antitoxin treatment. He neatly puts it that "in estimating the value of any new remedy it is always well to leave a margin for shrinkage. One of the lessons which the philosophy of medical history teaches is that *a new remedy always cures*." Elsewhere in the journal are some critical comments upon the use of compressed medicaments ("tabloids" the writer calls them throughout, which term should exclusively be applied to one manufacture only). The substantial effect of the criticism is that "the tabloid form of administration has its limits," and there are "innumerable conditions and circumstances in which their employment is particularly suitable and advantageous." The criticism is, on the whole, a temperate one, and useful as indicating how drugs should and should not be administered. We may mention that the subscription-rate of the *Practitioner* has been reduced to half-a-guinea.

We have received the first number of the *Imperial Institute Journal*, a monthly record of the work of the Institute and of commercial information generally. The *Journal* inaugurates the practical existence of the Commercial Intelligence Department of the Institute, and will deal especially with matters pertaining to foreign trade and industry throughout the Empire, Customs tariffs, and the labour market. The results of the Institute's Department of Scientific and Practical Research, the object of which is to investigate the practical value of new or little-known Indian and colonial natural products, will also be made public periodically through the pages of the *Journal*. The first number of the publication contains, among much other useful information,

an article, on "Counterparts of the Imperial Institute" descriptive of various commercial museums abroad, and a paper which, in substance, is Mr. Clements Markham's lecture on coca delivered at the Institute last year. The alkaloid from the Java coca-leaf therein described is not, by the way, known as *tropsine*, but as *tropaine*. The size of the new paper is somewhat too large, and the printing mostly too small, to afford comfortable reading. Still, it is never fair to judge a paper by its first number.

New Books.

THE following new books of interest to readers of THE CHEMIST AND DRUGGIST have been published recently. Mention of a publication in this list does not preclude a subsequent review of any book.

Baker, J. G. *A Synopsis of the Genera and Species of Muscæ.* 8vo. 1*s.* 6*d.* net. (Frowde.)

Bastin, Edson. S *Laboratory Exercises in Botany: Designed for the Use of Colleges and Other Schools in which Botany is Taught by Laboratory Methods.* Illustrated with 7 figs. in the text and 87 full-page plates. Cloth, leather back and corners. Crown 8vo. Pp. 540. $2 50. (W. B. Saunders, Philadelphia).

Bell, R. *The Home Book of Medical Treatment: being an Encyclopædia of Domestic Medicine.* Post 8vo. Pp. 460. 6*s.* (Glasgow, Bryce.)

Coblentz, Virgil. *Handbook of Pharmacy, Embracing the Theory and Practice of Pharmacy and the Art of Dispensing.* With 395 illustrations. Royal 8vo. Cloth. Pp. xx. and 480. (P. Blakiston, Son & Co., Philadelphia.)

Hoare, E. Wallis. *A Manual of Veterinary Therapeutics and Pharmacology.* Crown 8vo. Pp. xvi. and 560. Cloth. 10*s.* 6*d.* (Baillière & Co.)

Lyman, H. M., and others. *The Practical Home Physician. Adapted Especially for Everyday Household Use.* Illustrated. 4to. London, 30*s.* net. (Sampson Low. Published in Chicago.)

Marilaun, A. K. Von, and Oliver, F. W. *The Natural History of Plants.* Royal 8vo. Half Vol. 2, 12*s.* 6*d.* net. Vol. 1 complete, 25*s.* net. (Blackie.)

Schimmelbusch, C. *The Aseptic Treatment of Wounds.* Translated. Crown 8vo. 5*s.* (H. K. Lewis.)

Trade Notes.

A DIPLOMA for gold medal has been awarded to Jeyes Sanitary Compounds Company at the Trades Exhibition at Wigan.

WE understand that a supply of 1,000 c.c. of Arnson's antitoxin is expected daily by Messrs. A. & M. Zimmermann, Cross Street, St. Mary-at-Hill, E.C.

MR WM. GARDNER, of Gloucester, has an exhibit of his Patent Rapid Sifters and Mixers on view at the Yorkshire Trades Exhibition now open at the Drill Hall, Sheffield.

A NEW price-list of Seabury & Johnson's indiarubber plasters, bandages, antiseptic gauzes, ligatures, &c, has just been issued, and will be sent on application to Messrs. Fassett & Johnson, 32 Snow Hill, E.C. Prices have been reduced in many articles.

THE agents of "Byrolin," which we commented upon some time ago, inform us that apart from its use as a toilet article there is a large consumption of it in Berlin hospitals as an unguent. Perhaps dispensers in English hospitals would find it advantageous to get samples for trial from the Byrolin Company, 1 St. Swithin's Lane, E.C.

MESSRS. MEISTER, LUCIUS & BRÜNING, 6 and 7 Cross Lane, St. Mary-at-Hill, E.C., inform us that they will now have a constant supply of Behring's diphtheria-serum. We notice that this is supplied in three strengths:—No. 1 (green label), single dose = 600 antitoxin normal units; No. 2 (white label) = 1,000 antitoxin normal units; and No. 3 (red label) = 1,500 antitoxin normal units. Cases of diphtheria at an advanced stage require the more concentrated forms. As a prophylactic for healthy children and adults in diphtheria epidemics the No. 1 is used.

MR. ALFRED B. SCOTT, of Messrs. Scott & Bowne, manufacturers of Scott's Emulsion of Cod Liver Oil, is coming to London to look after the business of foreign countries controlled by the firm. Mr. Bowne has stated to an *American Druggist* interviewer that this new arrangement is largely the result of their growing European interests. His partner, Mr. Scott, has practically managed the foreign house for several years, and those interests have grown so rapidly that it is essential, for the success of the business, that one of them should give his personal attention to the management of the London house. There will be no change in the management of the business, except that Mr. Scott will look after this side and Mr. Bowne will attend to North and South America.

CASCARINE.—Two years ago we referred to the discovery, by M. Leprince, of Bourges, of a definite purgative principle in cascara sagrada. Since that time the principle has had extensive clinical trial, and is now put on the market by the discoverer. Cascarine is an orange-yellow, tasteless, and inodorous powder, consisting of citron-yellow granules and masses of prismatic needles. It is soluble in alcohol and in solutions of the alkalies, imparting, in the latter case, a purple tint to the fluid. Physiological experiments show that cascarine acts as a stimulant of the liver, as well as of the peristaltic action of the intestine, in doses of 2 grs. M. Leprince has put the principle upon the market in pill form, and Messrs. F. Newbery & Sons, King Edward Street, E.C., have been appointed sole agents for them. The pills are elegantly made, and are put up in wedged-shaped bottles (quite distinct from anything else of the kind in the market), and we understand that they are being vigorously brought before the medical profession. Chemists should, therefore, be prepared for any demand, and they will note that Messrs. Newbery hold stock and can execute orders at once.

SEASONABLE LITERATURE.—The Liverpool Lint Company continue the issue of their exceedingly distinctive wall-calendar, each page of which is devoted to a month (the figures can be read at a distance of several yards), with postal information and the year's calendar on each page. The Household and Farm Almanack, published by Messrs. Kemp & Co, Horncastle, and priced at 6*d.*, contains much useful household, medical, and scientific information, with a novelette and innumerable jokes. A sprinkling of prescriptions in such books as this is a good feature, and we have no doubt that our subscribers will find those that we are now publishing useful in this respect.—A peculiarly appropriate handbill was issued by Mr. Fred Bates, of Slaithwaite, near Huddersfield, during the recent District Council Election. It had all the appearance of an election handbill, and the ratepayers were informed that "Until now, many ratepayers have really had no voice in local government owing to severe colds." Further, that "A large amount of money must necessarily be spent on our drainage scheme; but this, although a very important matter, will not remove the cold and chilly fogs of winter." Mr. Bates, therefore, offered to the ratepayers the services of his linseed linctus, the virtues of which were pithily referred to in electoral language.—Messrs. Evans, Gadd & Co., of Exeter, have issued a pretty and useful calendar to their customers.

Business Changes.

MR R. FORREST, chemist and druggist, has removed from 29 Green Street to 19 Frederick Street, South Shields.

MR. J. T BENTLEY has purchased the chemist's business at Haworth, lately carried on as a branch by Mr. Fowlds, of Keighley.

MR CHRISTOPHER JOHN GIBBS, who was for some years with Messrs Allen & Hanburys, has commenced business as a chemist and druggist, at King Street, Weymouth.

MR. ROBERT GREEN, chemist and druggist, of Hare Street, Woolwich, has retired from business, after fifty three years' good service to the community. His pharmacy has been closed.

MESSRS MACKEY, MACKEY & CO. have removed from 1 and 2 Bouverie Street, E.C., to 175 Grange Road, Bermondsey, S.E., where they have largely increased their manufacturing space.

THE London branch of J. D. Treharne & Son (Limited), of Cardiff and elsewhere, will henceforth be conducted under the style of Sparks, Treharne & Son, at the same address as heretofore, 86 Leadenhall Street, and 1 Creechurch Lane, E.C.

MR. WILLIAM BURN, late of the firm of Messrs. Scawin & Burn, chemists and druggists, Market Place, Durham, has purchased the business carried on at 12 Elvet Bridge, Durham, for many years by the late Mr. J. H. Leighton, chemist and druggist.

MR. G. F. MERSON, pharmaceutical chemist, of Newcastle-on-Tyne, has taken into partnership Mr. R. T. Forbes, associate of the Pharmaceutical Society, who has been senior assistant with Messrs. Brady & Martin for the past five years. Mr. Merson will devote his attention principally to the manufacturing and wholesale business, while Mr. Forbes will superintend the dispensing and retail departments.

IN the Market Place, Sheffield, right in the heart of the city, there stands an old-fashioned shop. Much further back than the oldest inhabitant can remember—a century and a half ago, in fact—it was a place for the sale of drugs and the making-up of prescriptions, and to-day, in its old-fashioned low window, filled with small panes of glass, the paraphernalia of the druggist are still displayed, and at the counter one may still be served with almost any drug named in the British Pharmacopœia. For 150 years chemist has followed chemist in the occupation of the premises. Yet there have not been many changes—only three or four in all that long period. A hundred and forty years ago the place was in the hands of a Mr. Jones; to him succeeded Mr. Gillott, and after him came Mr. Radley, who was there for close upon forty years. Mr. G. T. W. Newsholme, the present proprietor, came into occupation seventeen years ago, and now he has to go, too, for the work of improving the neighbourhood is going to obliterate the shop altogether. The municipal reformer is raking it in his stride, and down it must come. With its antiquated appearance, and surrounded by establishments erected in accordance with later ideas, though these have lost something of their modernness in the forward rush, the old house carried the mind back irresistibly to the past. The reason for the demolition is that the Corporation are about to widen the street. Some weeks ago they purchased the freehold, and then negotiations were opened with Mr. Newsholme for the lease, which does not expire until July, 1905. The Corporation proposed to give Mr. Newsholme 2,000*l.* for his interest in the lease, leaving him to remove his trade-fixtures, but to give up possession on July 1 next. When the matter came before the City Council on Wednesday, however, opposition was forthcoming from several of the members. Alderman Carter asked what had induced the committee to offer a sum which, in his opinion, was exorbitant. He would prefer arbitration. Mr. J. M. Furness (chemist) proposed an amendment that the recommendation be not adopted, urging that the matter should be deferred five years, a course which he calculated would save the ratepayers about 3,100*l.*, taking into consideration the rates that would be lost by carrying out the present proposal. Other buildings were to be left standing in the way of the completion of the scheme of widening the street, so that he thought this might be left also. The Mayor and others censured these speakers for thus forcing the hands of the Council, and defended the proposal, which was ultimately agreed to.

Personalities.

MR. JOSIAH NORTH, chemist and druggist, Stockbridge, Hants, has been appointed sub-postmaster for the town.

JASPER LAKEMAN, son of Jasper J. Lakeman, dentist and chemist, Leytonstone, has just passed his First medical examination.

MR. WILLIAM CUMMING, chemist and druggist, Thurso, has been elected Grand-Master of the local lodge (St. Andrew's) of Oddfellows He has also, along with Sir John Sinclair, Bart., of Dunbeath, been elected churchwarden of the Episcopal Church there.

MR. BRUNNER, M.P., who has been subscribing 20*l.* a week to the Unemployed Fund at Runcorn, last week increased his subscription to 50*l.* a week.

THE Mayor of Beccles, Suffolk, Mr. Edward Watson, chemist and druggist, has distributed 400 tickets for provisions and meat among the poor inhabitants of the town.

MR. J. S. BURDON SANDERSON, at present Wayneflete Professor of Physiology in the University of Oxford, has been appointed Regius Professor of Medicine in succession to Sir Henry Acland, who has lately retired. Professor Sanderson is well known for his biological researches. He is brother-in-law to the Lord Chancellor.

WE take it that the youngest pharmaceutical chemist in Great Britain to-day is Mr. Henry A. Potter, son of Mr. Henry Potter (Potter & Clarke). Mr. Potter, jun., passed the Minor three months ago, and just when he had attained his majority; now he secures his pharmaceutical majority on the first possible occasion, and with credit to himself. Strange that it is the sons of well-known men in pharmacy who do this. The last we mentioned was a son of Dr. Symes, of Liverpool.

THE will with one codicil of Mr. Wm. Hooper of Camborn Lodge, Surbiton, formerly a chemist and druggist in Russell Street, Covent Garden, and one of the founders of the Pharmaceutical Society, who died on November 30, has been proved in London by Mr. John Warner, of 114 Piccadilly, chemist, and Mr. Edmund Frederick Good, of 48 Burton Road, Brixton, two of the executors therein named; power being reserved to Mrs. Anne Hooper, the widow and executrix nominate, to prove hereafter. The gross value of the testator's personal estate is sworn at 57,101*l.* 19*s.* 7*d.*

THESE are the two new medical baronets of the new year: Sir J. Russell Reynolds, the present President of the Royal

College of Physicians; and Sir John Eric Erichsen, formerly President of the Royal College of Surgeons.

MISS HAMILTON, M.D, the English lady-physician who accepted an engagement as harem-physician to the Ameer of Afghanistan some time ago, is still at Cabul, where, apparently, she intends to remain for some time, although the period for which she was originally engaged by the Ameer has expired. Miss Hamilton, her sister, and their French housekeeper are now, we believe, the only European women in the Ameer's capital, the small European colony which formerly existed in Cabul having mostly returned to India. It is said that besides having more than once attended the chief queen, Miss Hamilton attended daily upon the Ameer during his recent illness, and prescribed for him. What a European physician's life is like in Afghanistan was described in detail in our columns last year, when we published an interview with Dr. Gray, late physician to Abdurrhaman Khan.

THE retirement of Dr. Holtz, late managing director of Schering's Chemische Fabrik in Berlin, has been made the occasion of a manifestation of goodwill towards that gentleman on the part of the staff and workmen of the factory which must have been very flattering to the recipient. A complimentary dinner was given to Dr. Holtz at which the whole of the directors and the staff of the factory were present. Professor Merling, who succeeds Dr. Holtz, on that occasion presented his predecessor on behalf of the staff with an artistic address designed by Herr Hacker, the Court lithographer, and with a similar testimonial on behalf of all the men employed at the works, setting forth their appreciation of his humane and considerate character as an employer of labour. Dr. Holtz afterwards took leave specially of every employé in the factory. Dr. Holtz continues to be actively connected with other chemical-factories, a circumstance which allows him to retain his honorary presidency of the Association for the promotion of the interests of chemical industry in Germany, and the Society of Members of the Chemical Industry.

Marriages.

GADDES—HULME.—At the parish church, Chorley, on December 25, by the Rev. J. H. Barnett, William Gaddes, chemist and druggist, Brampton, Cumberland, to Eva Ann, only daughter of John Hulme, Park Road, Chorley.

PIRIE—BLANE.—On November 21, at Germiston, South African Republic, James Crichton Pirie, chemist and druggist, Rodden Island, Cape Colony, to Mary Pollock, third daughter of Robert Blane, Germiston.

Deaths.

BECKETT.—On December 22, Mr. John Beckett, chemist and druggist, York. Aged 71.

CADD.—The death has occurred, at the ripe age of 82 years, of Mr. Wm. Cadd, chemist and druggist, Market Place, Bideford. The deceased gentleman was for thirty-two years postmaster of the town, and a member of the Town Council, and was much respected in the district.

CLARK.—On January 1, Mr. William Clark, chemist, of Hallgarth Street, Durham. Aged 75. Many years ago Mr. Clark carried on a good business as a chemist at the corner of the Market Place in Saddler Street. He was for a long period dispenser of medicine at Durham Hospital.

GILLETT.—On December 19, Mr. Crabb Gillett, chemist and druggist, Cambridge. Aged 65.

HALL.—On December 5, Mr. Samuel Hall, chemist, of Seaside Road, Eastbourne. Aged 75. The deceased, who had carried on business for half a century, was very highly respected, and had occupied the post of honorary agent of the Shipwrecked Mariners Society for thirty-five years. Mr. Hall also took a prominent part in local affairs.

LOVE.—On December 21, Mr. Charles Love, chemist and druggist, Launceston. Aged 67.

MORGAN.—The death is announced of Mr. Geo. Evanson Morgan, chemist and druggist, Market Drayton. Whilst driving from Ashley, Mr. Morgan was seized with a paralytic stroke, and died in a few hours. He was one of the oldest tradesmen of the town.

ROBBINS.—Mr. Herbert Robbins, the chief proprietor of the firm of James Robbins & Son, nitric-acid and chemical manufacturers, of Gibraltar Walk, Bethnal Green, died on January 7, from typhoid fever. Mr. Robbins, who was 34 years old, was well known in wholesale drug-circles, and much esteemed as a straightforward and fair-dealing man of business. He took over the firm from his father a few years ago.

ROSS.—At Hawick, on January 9, Mr. William R. Ross, chemist and druggist, formerly of Dundee.

Trade-Marks Applied for.

ANY person who has good grounds of objection to the registration of any of the following marks should *at once* communicate with Sir Reader Lack, Comptroller-General, at the Patent Office, 25 Southampton Buildings, Chancery Lane, London, W.C.

(*From the "Trade Marks Journal," January* 2, 1895.)

Device of a horse; for soda and its preparations. By Kirkpatrick, Barr & Guthrie, 4 Cullum Street, London. 180,440.

"THIOFORM," signature, monogram, and wording on label, &c.; for medicines for human use. By Speyer & Grund, 18 and 20 Kaiserhofstrasse, Frankfort-on-Maine, Germany. The essential particulars are the combination of devices and facsimile signature. 183,170.

"LAPCINE"; for a chemical preparation in the nature of a varnish. By Robert Ingham Clark & Co., West Ham Abbey, Essex. 183,919.

"PNEWMYNE," and signature of applicant; for medicine for whooping-cough, bronchitis, coughs, &c. By James Roberts, 58 Huddersfield Road, Elland. The essential particular is the facsimile signature. 183,354.

Device of claw holding oval object; for gout-cure. By B. Hosegood, 6 and 7 Artillery Street, Bishopsgate Street, London. 183,823.

Device of a frog; for medicated confections. By Hance Brothers & White, Marshall Street, Philadelphia, U.S.A. 184,053.

(*From the "Trade Marks Journal," January* 9, 1895.)

Device of an oblong circle-engraved label bearing facsimile signature of applicants; for chemical substances used in manufactures, &c., and in medicine and pharmacy, &c. By Thomas Tyrer & Co., Stirling Chemical-works, Abbey Lane, Stratford, E. The essential particulars are the combination-devices and signature. 182,860; 182,861; 182,862.

"BÉRAUDINE," and device in circle; for medicated preparations of peat for human use. By the Peat Industries Syndicate (Limited), 32 Queen Victoria Street, London. The essential particular is the device. 182,189.

"ARGONINE"; for chemical substances prepared for use in medicine and pharmacy. By Meister, Lucius & Brüning, Hoechst a/Main, Germany. 183,707.

Gazette.

PARTNERSHIPS DISSOLVED.

Bayliss, W., and **Brecknell, C.**, under the style of W. Bayliss & Co., Birmingham, scale makers.

Cheesman, C., and **Smith, E. J. D.**, under the style of G. Cheesman & Smith, Mitcham, chamois-leather and hyde dressers.

Coates, H., and **Kingscote, E.**, under the style of Coates & Kingscote, Salisbury, medical practitioners.

Ellis, B., sen., Ellis, B., jun., and **Ellis, W.**, under the style of B. Ellis & Co., Liverpool, cork merchants and manufacturers; so far as regards B. Ellis, sen.

Mordaunt, G., and **Mordaunt, H.**, under the style of Mordaunt Brothers, St. Helen's Place, E.C., general produce brokers and merchants.

Stark, P. W., M.D., and **Carmichael, A., M.D.**, under the style of Stark & Carmichael, Barrow-in-Furness, medical practitioners.

Terry, Sir J., Terry, T. W. L., Dennis, G. C., and **Terry, S. S.**, under the style of Joseph Terry & Sons, York, wholesale and retail confectioners.

THE BANKRUPTCY ACTS, 1883 AND 1890.

ORDER MADE ON APPLICATION FOR DISCHARGE.

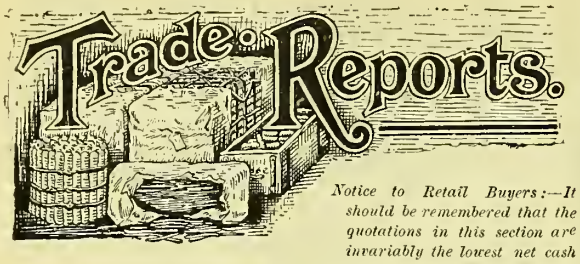
Dowell, John, Darenth Road, Stoke Newington, N., and St. Andrew's Street, Holborn, E.C., trading in partnership with Albert Brooks, Vobe Taffs, and Richard Dobson Dixon, St. Andrew's Street, Holborn, E.C., as H. Gilbertson & Sons, druggists' sundriesmen—discharge suspended for two years, ending December 11, 1896.

Deed of Arrangement.

Russon, Henry Albert, corner of Spring Street and Sun Street, and 80 St. Luke's Road, Birmingham, chemist and druggist. Trustee: Thomas Barclay, Bull Street, Birmingham, wholesale chemist. Dated, January 1; filed, January 8. Liabilities unsecured, 215*l.* 14*s.* 8*d.*; estimated net assets, 150*l.*

	£	s.	d.
Adams, R. T. J., Birmingham .. .. (about)	20	0	0
Southall Brothers & Barclay, Birmingham	98	0	0
Wyleys (Limited), Coventry	22	0	0

And creditors under 10*l.*



Notice to Retail Buyers:—It should be remembered that the quotations in this section are invariably the lowest net cash prices actually paid for large quantities in bulk. In many cases allowances have to be added before ordinary prices can be ascertained. Frequently goods must be picked and sorted to suit the demands of the retail trade, causing much labour and the accumulation of rejections, not all of which are suitable even for manufacturing purposes.

It should also be recollected that for many articles the range of quality is very wide.

---

42 CANNON STREET, E.C., *January* 10.

The Liverpool Market.

Our Liverpool correspondent, writing on January 8, reports that a more hopeful tone pervades the markets, and buyers show more disposition to operate. *Kola-nuts* have been arriving slowly; 2 barrels realised 8½*d.* ex quay and 4 bags 9*d.*, all fair average quality. A barrel of slightly mouldy was held for 7½*d.* per lb. In *Gums* an idle market has been experienced for some little time, and the advanced rates asked for *Soudan sorts* and good qualities generally appear to have arrested the decrease. Lower qualities are quoted rather easier. *Beeswax* has been moving off steadily, a parcel of prime Californian fetching 7*l.* 10*s.* to 7*l.* 15*s.* per cwt. Chilian is held at 7*l.* 10*s* to 8*l.* 10*s.*, according to quality. One lot of ordinary Sierra Leone was held for 7*l.* *Castor oil* is better for Calcutta good seconds at 2⅛*d.* to 2 3/16*d.* For French and Madras there is no quotable change in the quotations. *Carnauba wax* has been selling freely, and the market is again practically cleared, 107*s.* 6*d.* per cwt. having been paid for fine yellow. *Canary seed* is steady at 44*s.* to 45*s.* per quarter. *Anise (Chilian)* firmly held at 24*s.* to 25*s.* per cwt.

Smyrna and Constantinople Opium Telegrams.

Our Smyrna correspondent, telegraphing on Wednesday night, observes that during the week 40 cases fair manufacturing opium have been sold at the parity of 9*s.* 4*d.* per lb. f.o.b. "The weather," he adds, "has become very favourable, and a temporary decline is expected soon." This news is confirmed from Constantinople in a telegram forwarded on Thursday morning. Our correspondent reports that owing to favourable weather in the growing districts the market has declined to the parity of 8*s.* 9*d.* per lb. f.o.b. for fair taleqnale manufacturing opium.

The Amsterdam Cinchona-market.

Under date of January 5, our Amsterdam correspondent writes:—The *Cinchona bark sales*, to be held in Amsterdam on January 24, will consist of 356 cases and 7,761 bales, about 706 tons, divided as follows:—From Government plantations—55 cases and 200 bales, about 24½ tons; from private plantations—301 cases and 7,561 bales, about 681½ tons. This quantity contains:—Of *Druggists' bark*: Succirubra—quills, 270 cases; broken quills and chips, 71 bales 71 cases; root, 77 bales 15 cases. Of *Manufacturing bark*: Ledgeriana—broken quills and chips, 5,719 bales; root, 782 bales; officinalis—broken quills and chips, 179 bales; root, 56 bales; hybrid—broken quills and chips, 783 bales; root, 94 bales.

The Examination of Drugs in New York.

Our recent observations on the uneven treatment meted out to different importers of drugs by the New York drug "appraiser" or quality-censor, appear to have stirred up the whole question of the use of that functionary and of his manner of discharging his duties. The *Oil, Paint, and Drug Reporter*, of New York, in referring to this matter, states that "the fact has been revealed that there has been for a long time a latent disaffection with the decisions of the examiners at the Appraisers' Stores. One of our prominent drug importers claims that several lots of Inpulin have been passed which were unfit to be offered for sale; that 140 cases of gum guaiac recently imported were below the pharmacopœia standard, which is supposed to govern the examiners, and that lately two arrivals of spurious star aniseed were allowed to pass, although all the oil had been previously extracted by a cordial manufacturer. Part of one lot is claimed to have been spurious Japanese seed, which is said to be a deadly poison (*sic!*). The claim is also made that drugs fully up to the standard have been rejected, and trade diverted to Boston, Philadelphia, Baltimore, and other ports." The matter has also been discussed at the meeting of the Drug Trade Section of the New York Board of Trade and Transportation. On the occasion some strong language was used about the alleged incompetency of the New York officials, who were guided rather by the high invoice value than the quality of the drugs, and about their lack of knowledge of the proper classifications of articles not specifically enumerated in the tariff.

The Ipecacuanha Allowances.

The expected discussion on the abolition of the customary allowances for ipecacuanha took place at to-day's drug-auctions. The whole of the ipecacuanha mentioned in the catalogues was offered at "Re-weights, Actual Tares, No allowance for draft or trett." When the first lot was reached Mr. Andrew Devitt observed that, having received representations on the subject of the proposed change from a prominent druggist, who stated that the action taken by the brokers was premature, he had communicated with the importers for whom he acted, with the result that he would offer the ipecacuanha mentioned in his catalogue at the old terms. He would then refrain from offering any ipecacuanha at all for the period of one month in order to give the parties interested in the matter time to discuss the question and agree upon a plan. His importers held very decided views that the ipecacuanha-business would gradually be lost to London unless the allowances were done away with. They had tried the French as well as the English market, with the result that there was a difference of from 7 to 9 per cent. on the net proceeds in favour of the consignments made to France. The drifting away of the ipecacuanha-trade from London would be detrimental to importers, brokers, and druggists alike, and it was in response to these suggestions that his firm had taken the initiative in proposing the abolition of the customary reductions. The whole list of allowances on drugs was full of anomalies, and should be revised.

Mr. S. Figgis declined to pledge his firm to Mr. Devitt's proposal not to offer any ipecacuanha until the matter was settled. He would offer the drug on the old terms from auction to auction until the question was arranged. At the same time he formally proposed the appointment of a committee to inquire into the matter. He suggested Messrs. R. Barron, F. H. Lescher, and Edward Horner, as representatives of the home-trade; Messrs. Stallmann and Ashmore, jun., as shippers to the American markets; Mr. Knowles (Knowles & Foster), importer; Messrs. Ziegele and E. Bluhm (A. Faber & Co.), on behalf of the export druggists; and Mr. Devitt (Lewis & Peat), F. Lambert (Lambert & Strong), and himself, or a member of his firm, as representative of the brokers.

Mr. Edward Horner seconded, and Messrs. R. Barron, E. Bluhm and Stallmann supported this proposal, which was carried *nem. con.*, the name of Mr. De Lissa, another importer, being subsequently added.

The First Drug-sales of 1895.

The drug-auctions which commenced to-day were exceedingly heavy, and after fifteen of the nineteen brokers' catalogues had been disposed of, the remaining four were, by general consent, held over until to-morrow (Friday) morning at 11 A.M., when the sales will be resumed.

ACID (CITRIC).—Still generally held at 1*s.* 2*d.* per lb., although there is talk of offers at 1*s.* 1¾*d.* per lb. to-day.

ACONITE.—Twenty-five bags small *Japanese* were bought in at 27*s.* per cwt. to-day.

ALOES.—*Cape* aloes is firmly held. Only 13 cases were shown at to-day's auction, and these realised 22*s.* per cwt. for fair but not first-class quality. Of *Curaçao* aloes there has just been an arrival of about 200 bags of fair average quality, which will be offered to-morrow. At to-day's auctions 78 packages were shown, of which 34 sold at full prices—namely, from 25*s.* 6*d.* for medium brown down to 19*s.* 6*d.* for rather dull. A bid of 36*s.* was refused for fair livery aloes. Broken gourds and pieces sold at 7*s.* per cwt. *Socotrine* aloes of good quality is in demand: 17 cases realised 80*s.* per cwt. to-day for bright, and from 55*s.* down to 39*s.* for fair to dark. Of *Zanzibar* aloes 16 packages (tins), soft pale of sour flavour brought 34*s.*

AMBERGRIS.—At to-day's auctions only one 10-oz. tin of so-called ambergris was offered, but no one would bid as much as 2*s.* 6*d.* per oz. for it. The large find which was recently placed upon the New York market is said to have amounted to about 260 lbs. Fine grey ambergris is now quoted at 97*s.* 6*d.* per oz. News, dated November 27, has been received from Hobart, Tasmania, stating that a firm of merchants of that town have acquired 90 lbs. of ambergris, which were taken from the carcases of two whales given away by the whalers *Helen* and *Waterwitch* to a resident of Port Davy, the whalers having extracted all the oil, blubber, and whalebone, and believing the remainder worthless. The Hobart merchant-firm are said to have paid the finder about 20*s.* per oz. all round.

ANISE.—Several parcels were shown at to-day's auctions, and mostly bought in at from 32*s.* to 36*s.* for fair *Spanish*, 38*s* for *Cyprus*, and 37*s.* for *Maltese* seed. Thirty bags of fair palish *Spanish* seed, however, sold at 30*s.* per cwt.

ANNATTO-SEED.—Unchanged. There was a fair supply of East Indian, all of which was bought in. Fourpence per lb. is wanted for fairly bright seed.

ASAFŒTIDA.—The recent imports from Bassorah were declared for sale at the drug-auctions, but the bulk will be offered to-morrow. Of 37 cases shown to-day 25 sold at fairly steady prices (the gum was very wet)—viz., 97*s.* 6*d.* to 100*s.* per cwt. for soft pinky almondy block, 90*s.* to 92*s.* 6*d* per cwt. for partly loose mixed, 70*s.* for fair, partly pinky but very soft, and from 50*s.* down to 40*s.* per cwt. for soft, partly dark mixed.

BALSAM (COPAIBA).—One or two parcels are to be offered to-morrow. At to-day's auctions 11 cases from Savanilla thick dull grey and brown balsam sold at the low rate of 1*s.* 2*d.* per lb.

BALSAM (PERU).—The price is 6*s.* 6*d.* per lb. for good quality. At that figure 1 case was sold at to-day's auctions.

BENZOIN.—Of *Sumatra* gum about 140 cases passed the hammer to-day. The bulk of this was held at very high prices, and 58 packages sold at an advance of quite 10*s.* per cwt. for good gum. The following prices were realised:—Seconds, good, partly bold bright almonds, fine flavour, somewhat dark borders, from 9*l* 7*s.* 6*d*, rising to 9*l.* 15*s.* per cwt.; good seconds, small to medium almonds, dark borders and ends, 8*l.*; medium seconds rather streaky, little flavour, very false-packed, small to medium almonds 5*l.* 10*s.* per cwt. A very fine parcel of Sumatra gum will be offered on Friday morning. Of *Penang* gum two cases sold at 75*s.* for good glassy seconds, which also indicate an advance of about 5*s* per lb. Of *Siam* gum little of consequence was offered to-day, 18 cases being nearly all bought in at 10*l.* 10*s.* for good glassy second almonds in hard block. A small lot of ordinary grey glassy siftings in block sold cheaply at 45*s.* to 50*s.* per cwt.

BORAX.—The American borax-refiners have made a "sweeping cut" of 1c. per lb all round in the price of their goods. Crystals and powder are now quoted at 5c. to 5⅓c. per lb., 5c. to 5⅓c. per lb. for refined in bags, and 4¾c. to 5c. per lb for concentrated. The reduction was rendered imperative by the growing importance of the importations of European borax into the States. It seems to have been quite unexpected by the trade.

BUCHU.—Lower. At to-day's auctions 33 packages were offered, 16 of which sold at from 5½*d.* to 6½*d.* per lb., for fair to good greenish narrow leaves, and at 2½*d.* to 3¼*d.* for fair to fine bright green round leaves.

CALABAR BEANS.—A cask of 156 lbs. sold to-day subject to approval at the low figure of 1*d.* per lb.

CALUMBA.—Very steady. The bulk of what was catalogued for to-day's sales was withdrawn, but for 38 bags fair palish mixed sorts 16*s.* to 16*s.* 6*d.* per cwt. was paid. A few bags common dark red realised 8*s.* per cwt.

CAMPHOR (CRUDE).—Quotations have been declining since our last report, although it is stated that to-day there is some slight improvement in the Chinese market again. The stock at the Chinese shipping-ports, however, consists of about 4,000 boxes, most of which is held by owners anxious to sell. The quotation for *Japan* camphor for arrival is from 85*s.* to 86*s.* per cwt., c.i.f., for January-February shipment. *China* offers in the same position at 77*s.* per cwt., c.i.f., and might, perhaps, be bad as low as 76*s.*, or even 75*s*, c.i.f. Business has been done within the last fortnight at prices ranging from 85*s.* downwards to 77*s.* At auction 81 cases of Chinese camphor were offered and all bought in; for one lot a bid of 77*s.* 6*d.* was made and refused.

CAMPHOR (REFINED).—On January 4 the English refiners lowered their quotations for *bell* and *flower* camphor by 1*d.* per lb.—*i e*, from 1*s* 4½*d.* to 1*s.* 3½*d.* per lb. for ½-ton lots (smaller wholesale quantities ½*d.* per lb more). At the same time the prices of camphor tablets have been "revised." They are now as follows:—4-oz. to 16-oz. tablets, 1*s.* 5*d.* per lb.; 1-oz. to 2-oz. tablets, 1*s.* 6½*d.* per lb.; ½-oz. tablets, 1*s.* 7*d.* per lb.; ⅓-oz. to ¼-oz. tablets, 1*s.* 7½*d.* per lb. These prices are for ordinary wholesale lots, and are subject to a reduction of ½*d.* per lb. for 10-cwt. parcels. The foreign manufacturers have made a reduction corresponding to that of the English makers, and now also offer bells at the rate of 1*s.* 3½*d.* per lb. At auction to-day 2 casks of *German* refined bells were bought in at 1*s.* 4*d.* per lb., and a 5-case parcel of *Japanese* refined camphor, apparently of good quality but rather opaque, sold at 1*s.* 2½*d.* per lb. The camphor consisted of 1-oz. blocks in tins of 16 blocks. It had been manufactured for a firm in Bombay, whose name was stamped upon each tablet.

CANNABIS INDICA.—For a parcel of 15 robbins good greenish tops from Bombay 3*d.* per lb. is asked.

CANTHARIDES.—For good *Russian* flies 2*s.* 3*d.* per lb. is required, and holders seem rather anxious to sell. At to-day's auctions no bids were made at that figure, although it was solicited for three barrels of Russian flies.

CARDAMOMS.—Firm and generally dearer for good qualities, which are comparatively scarce. Seed has also advanced about 2*d.* per lb. At auction to-day 104 packages were offered, of which 80 sold at the following prices:—*Mangalore*, medium round yellowish, 2*s.* 4*d.*; smaller and dull ditto, 2*s.* per lb. *Ceylon-Mysore*, medium to small mixed pale fair from 2*s.* 1*d.* to 1*s.* 10*d.*; small yellow plump, 1*s.* 7*d.*; small to medium brownish, partly lean, 1*s.* 6*d.* to 1*s.* 4*d.*; very small pale yellow, 1*s.* 2*d* per lb. *Ceylon-Malabar*, small to medium round brownish, 1*s.* 6*d.* per lb. *Seeds* from 1*s.* 9*d.* to 2*s.* per lb.

CASCARA SAGRADA.—Two parcels were shown, but met with little competition. For one lot of fair bright bark 22*s.* is asked, a bid of 21*s.* being refused.

CASCARILLA is rather scarce for good quality. Twelve casks, all slightly mouldy odour, clean, but very small and dusty, sold at 29*s.* 6*d.* to 30*s.* per cwt.

CHIRETTA.—Eleven bales were bought in to-day without mention of price.

CINCHONA.—A very large quantity of South American bark was offered to-day. *Loxa* sold at 10*d.* to 1*s.* 2*d.* per lb. for ordinary to fair quilly, showing a reduction of about 2*d.* per lb. in value. *Huanoco* bark also sold cheaply at prices ranging from 10*d.* per lb. for fair bright mixed sound down to 3½*d.* per lb. for ordinary damaged quill and chips. *Guayaquil* brought 1*s.* to 1*s.* 3*d.* per lb. for fair grey quill, and from 10*d.* down to 6*d.* for broken and dull to long thin damaged. All these prices are lower. Of cultivated flat *Bolivian*

Calisaya bark nearly 300 packages were offered. The bulk of it consisted of thin, rather dark bold pieces, and was bought in at 1*s.* 3*d.* per lb. For fine hard bright bark 2*s.* is asked, a bid of 1*s.* 8*d.* being refused for this description. Five packages of good hard ditto, but slightly damaged, sold at 1*s.* 9*d.* per lb. A parcel of 23 packages hard broken spurious Calisaya, all damaged, realised the very low figures of from 5*d.* to 6½*d* per lb. A newly-arrived parcel of about 600 lbs. of South American wild *red bark* attracted some attention; but no sales were effected when the holders stated that their price for the best lot, good bright split quill, was 12*s.* per lb. They subsequently refused an offer of 6*s.* 3*d.* per lb. for fair pieces. A lot of ordinary *red bark*, imported *viâ* Hamburg, was bought in at from 1*s.* to 2*s.* per lb. The total exports of cinchona-bark from Ceylon were 2,500,000 lbs. in 1894, against 3,500,000 lbs. in 1893. The bulk of this was of very poor quality. The Java shipments amounted to 9,500,000 lbs. in 1894, against 7,500,000 lbs. in 1893.

The first cinchona-auctions of the year, which took place on Tuesday, were among the most insignificant ever held in London, the five catalogues being composed as follows:—

	Packages		Packages	
Ceylon cinchona	194	of which	91	were sold
East Indian cinchona	138	"	138	"
Javan cinchona	67	"	67	
West African cinchona ..	456	"	456	"
South American cinchona ..	225	"	225	"
	1,080		981	

The tone at the auctions was fairly steady, and the unit may be put down as averaging about ½*d.* per lb. The following are the approximate quantities purchased by the different buyers:—

	Lbs.
Agents for the Brunswick factory	35,703
Agents for the Auerbach factory	34,160
Messrs. Howards & Sons	27,637
Agents for the Frankfort-on-Maine factory	6,808
Agents for the American and Italian works	1,275
Various druggists	36,213
Total quantity sold	141,796
Bought in or withdrawn	27,975
Total quantity offered	169,771

The following prices were paid:—*Ceylon* and *East Indian*: *Succirubra* stem chips, fair at 1⅝*d.* to 1¾*d.*; *Renewed* ditto, common to good at 1*d.* to 2⅛*d.*; *Officinalis*, ordinary natural chips at 1¼*d.* to 1¾*d.*; good root at 2⅛*d.*, broken quill at 2¼*d.*; renewed chips and shavings fair at 2⅛*d.* to 2¼*d.*; *Ledger*, natural stem chip at 2⅝*d.* to 2¾*d*, branch at 2¼*d.*; *Java*: Fifty bales and 17 bags offered and sold; *Ledger*, dusty chips at 2⅛*d.* to 2½*d*, branch at 1*d.* *African*: ordinary to good quill and quillings at 1*d.* to 2⅛*d.* *Calisaya*: fair to good sound little broken cultivated Bolivian quill at 2⅜*d.* to 4½*d.* per lb.

Civet.—Fine quality still remains exceedingly scarce. A lot of 25 oz. is about to be landed, and is held for 30*s.* per oz. It is said that this is the only genuine civet which has been offered at the East African ports for a long time. At auction two horns of ordinary quality were bought in at 18*s.* 6*d.* per oz.

Colocynth.—The reports from Cyprus and Syria still maintain that there will be very little brought into commerce from those places this season. At auction, however, a considerable quantity in the hands of different owners was offered. Of 21 cases *Turkish* eight sold, at 1*s.* 4*d.* per lb. for fair pale apple, and from 1*s.* down to 10*d.* for ordinary damaged, showing a reduction of about 2*d.* per lb. in the value. Another holder, however, demands 1*s.* 9*d.* per lb. for fine quality. Eight cases *Spanish* colocynth are held for 1*s.* 3*d.* per lb. for fair quality.

Coriander seed.—Several small packages were bought in to-day at nominal prices. For *Mogadore* seed 32*s.* 6*d.* per cwt. is asked privately.

Coumarin.—The quotation remains unaltered at 3*s.* 1*d.* per oz. for small, and 2*s.* 11*d.* per oz. for larger quantities.

Croton-seed.—Rather scarce and firmly held. The 30 bags offered to-day do not include anything of fine quality. For ordinary small and grey to damaged seed for *Ceylon* the price ranged from 26*s.* down to 20*s.* per cwt.

Cubebs.—Neglected. A parcel of 18 bags dark berries, without stalk, imported *viâ* Singapore, is held for 45*s.* per cwt., but no bid was made to-day. Fair berries from Bombay, also without stalk, are quoted at 40*s.* per cwt. One bag of very bold pale berries, imported from Bombay, offered as "cubebs, or whatever they might be," sold at 2*s.* per cwt.

Cumin-seed.—*Maltese* seed is held unchanged at from 35*s.* to 36*s.* per cwt. for fair quality. At auction to-day 100 bags were bought in at 37*s.* 6*d.* for good, and 28*s.* for ordinary dark quality.

Cuttle-fish.—Two casks, small to medium, pale bone from the Cape, sold without reserve to-day at 2½*d.* per lb.

Dragons' Blood is about 2*s.* 6*d.* per cwt. easier. Two cases out of 23 offered, selling at 7*l* 5*s* per cwt., for good bright and somewhat dull and seedy mixed lump.

Ergot of Rye.—Quiet. About 75 bags were offered at to-day's sales, and all bought in at more or less nominal prices. For good sound *Spanish*, 10*d.* to 10½*d.* per lb. was asked.

Galls (Chinese).—Forty-six shillings per cwt., c.i.f., is said to have been paid for January-February shipment a few days ago, but to-day the quotations are somewhat lower.

Gamboge.—Of 45 packages offered to-day only 2 sold at rather high prices—9*l.* 15*s.* per cwt. for bright fractured, slightly drossy, partly cakey pipe, and 8*l.* 12*s.* 6*d.* per cwt. for blocky pickings.

Guaiacum.—A nine-case parcel sold at 3¼*d.* to 3½*d.* per lb. for common drossy block.

Gum Acacia.—*Soudan* gums remain steady; at to-day's auctions several lots were offered and bought in at from 57*s.* 6*d.* to 65*s.* per cwt. for fair dusty to medium pale. Good pale Trieste-picked gum was bought in at from 10*l.* to 12*l.* per cwt. At the opening auctions of the year, which were held on January 3, 2,428 packages were offered. The tone at the auctions was exceedingly dull for all kinds (large imports of *East Indian* gums being expected shortly), and only about 300 packages found buyers at the public sales, the following figures, which mark no change in the general range of prices, being paid:—*Cape* gum, dusty pale, 36*s.* per cwt.; *Soudan* gum (in good demand), good to fine pale soft, hold picked, 80*s.* to 90*s.*; fair palish, rather hard sorts, 57*s.* per cwt.; *Aden* sorts rather easier, fair pale and reddish mixed, olibanum scented, 37*s* 6*d.*; dull red glassy, 26*s.*; fair dusty siftings, 21*s* 6*d.* per cwt; *Kurrachee*, fair pale amber, 40*s*; red to palish siftings, 24*s.* to 26*s.* per cwt.; *Amrad*, medium to good brown, 25*s.* to 26*s.* 6*d.* per cwt.; *Ghatti*, medium to fair, 26*s.* to 27*s.* per cwt.

Gum Ammoniacum.—Seven cases out of 23 offered to-day sold at 32*s.* per cwt. for small, partly blocky grain, and 10*s.* per cwt. for dark, cakey siftings. Good bright gum was bought in at 50*s.* per cwt.

Gum Euphorbium.—Eleven packages were offered to-day, and all bought in; 27*s.* per cwt. was asked for the best lot, which consisted mostly of wood and dust.

Gum Mastic.—The parcel of good pale drop which was offering at 1*s.* 7¼*d.* per lb., c i f. terms, last week, has been sold, and holders now ask an advance for further supplies. On the spot 1*s.* 10*d.* per lb. is required. At auction 29 cases were bought in.

Honey.—In large supply at unaltered prices. The only effective demand was for *Jamaica* honey, of which a few lots of good quality sold at from 27*s.* to 29*s.* per cwt, and for *San Domingan*, of which 3 barrels common treacly brown realised 15*s.* per cwt.

Ipecacuanha.—The portion of the ipecacuanha supplies at auction reached to-day consisted of 53 bales *Brazilian*, of which 12 sold at irregular rates, partly at a decline of 2*d.* to 3*d.* per lb., partly at steady prices. Good bright stout sound root realised 5*s.*; fair, partly wiry, 4*s* 2*d.* to 4*s.* 4*d.* per lb. Medium, partly wiry to good stout damaged root, sold at from 4*s.* 3*d.* to 5*s.* per lb. Of *Colombian* (*Cartagena*) ipecacuanha 29 packages were offered, of which 13 sold at

a reduction of 2*d.* to 3*d.* per lb.; plump, slightly mouldy, 2*s.* 9*d.* to 3*s.* per lb.

JALAP.—Higher prices are asked, 1*s.* 5*d.* per lb. being now the quotation for good, bold, heavy *Vera Cruz*. About 21 bales were bought in at auction to-day.

KAMALA.—The price asked for good quality is still 10*d.* per lb.

KOLA.—Prices are still declining. Seven bags offered at auction to-day realised from 1*s.* 1*d.* to 1*s.* 4*d.* for fair to goods bright *West Indian*. This is a fall of about 2*d.* per lb., a compared with the last sales.

LIQUORICE-ROOT.—Several lots of *Russian* and *Persion* liquorice-root were bought in to-day. One lot of 5 bales fair peeled root from Hamburg realised 13*s.* 6*d.* per cwt.

MENTHOL.—The market is rather unsettled. On the spot 15*s.* per lb. would probably be accepted for good quality, although most holders still talk of 15*s.* 6*d.* For February-March shipment, however, quotations come rather higher, 13*s.* being asked now, whereas last week business was done it is said at 11*s.* 9*d.* c.i.f. For December-January shipment the quotation is 14*s.* c.i.f.

MUSK.—The market is reported to be unaltered, the principal holder still requiring 85*s.* per oz. for finest thin-skin first-pile pod musk. Practically the whole of the musk catalogued for the auctions is to be offered to-morrow.

MYRRH.—Dull of sale at unaltered prices. For sorts, from 62*s.* 6*d.* up to 67*s.* 6*d.* is asked, according to quality; and a few odd cases of dark pickings sold at 25*s.* per cwt.

NUTMEG PASTE.—Five cases good bright orange from Penang were bought in at 4*d.* per lb.

NUX VOMICA.—Very low in price at present. There was a large supply to-day. Of some 500 packages, only 15 of which, fair clean silky but small *Ceylon*, sold at 4*s.* per cwt. Good bright silky *Cochin* was bought in at 9*s.* 6*d.* per cwt.

OIL (CASTOR).—Reports from Calcutta, dated December 19, describe the market as considerably firmer. The oil-crushers have sold the bulk of their output for some time ahead, and refuse to undertake new contracts except at higher rates. The stocks, both of oil and of seed for crushing, are said to be unusually small.

OILS (ESSENTIAL).—Dull all round. Of *Star-anise oil* 18 cases were offered at auction to-day, and bought in at 6*s.* 4½*d.* It is possible to buy privately at 6*s.* 4*d.*, and for January-February shipment 5*s.* 9*d.*, c.i.f. terms, is asked. *Cassia oil* is held for 4*s.* on the spot. At auction a bid of 4*s.* 1*d.* was solicited without success for 11 cases guaranteed to contain 72 per cent. of cinnamic aldehyde. West Indian *Lemon oil* was bought in at 6*s* for expressed and 1*s.* 8*d.* per lb. for distilled. Five cases fine Penang *Nutmeg oil* were bought in at 3½*d.* per oz. Twenty-eight cases of *Camphor oil* were also bought in at 30*s.* per cwt., and for 20 cases native *Lemongrass oil* from Bombay 1⅝*d.* per oz. was asked. Two cases *Oil of cinnamon* of fair quality, sold at 9*d.* per oz. East Indian *Rose oil* quite neglected and low in price at 4*d.* to 4¼*d.* per oz.

OPIUM.—No transactions of any importance have occurred in the London market this week, and prices remain as quoted in our last report. The following mail-reports, dated December 31, have reached us from Smyrna:—"The holiday season has made itself felt in the opium-market, and the past week has therefore been a very quiet one, the sales reaching only 20 cases at the parity of 9*s.* 6*d.* for *Karahissar* tale quale, 9*s.* 7*d.* for *Yerli* ditto, and 9*s.* 10*d.* per lb. for *Bogaditz* ditto. All of this has been bought by exporters, and the market closes without any change. The arrivals are 2,143 cases, against 1,099 cases in 1893, and our stock has shrunk to 1,800 cases. Up to December 8 the rainfall throughout the opium districts had not been over one inch, from which it will be understood that our autumn sowings have been a complete failure. We have had sufficient rain off and on during the past fortnight, but it alternated with hard frosts, which prevented our sowers from making much progress with their opium-plantations. However favourable the weather may be henceforward, we cannot expect to have anything better than a medium outturn for next season's crop." The Constantinople stock on January 5 amounted to 503 cases, four-fifths of which consisted of new druggists' opium. During the first week of the year nearly 100 cases of *Tokats* and *Malatias* were shipped, mostly to London. The statistical position in Constantinople was as follows:—

—	1894	1893
	Cases	Cases
Druggists' opium, arrivals	630	723
Soft shipping, arrivals	589	383
Sundries, arrivals	59	55
	1,278	1,161

"Business," says our correspondent, "has been a trifle quieter this week owing to the weather which, during the past ten days, has been so favourable to the sowings—quite early-autumnlike in temperature. Another fortnight of such weather will do wonders for the (at present) weakly plants."

ORANGE-PEEL sold to-day in small quantities at 11*d.* to 1*s.* per lb. for fine bright thin-cut *Maltese*.

ORRIS-ROOT, although gradually tending downwards, is still dear. It is generally thought that unless a brisker demand sets in there will be a further fall in values. At to-day's auction from 75*s.* to 85*s.* was asked for good to fine bright *Florentine*. Five serons of fair pale and brown mixed *Mogadore* orris, slightly damaged, sold at the high figure of 44*s.* per cwt.

PHOSPHORUS.—Nominally unaltered. *Stick phosphorus* at 2*s.* 1*d.*, *Wedge* at 2*s.* per lb., *Amorphous powder* at 2*s.* 8½*d.* per lb.

QUICKSILVER.—Quiet; 6*l.* 12*s.* 6*d.* per bottle from the importers, 6*l.* 11*s.* 6*d.* from secondhand owners.

QUININE.—The market has been utterly stagnant this week. The nearest quotation for secondhand German bulk is 11¼*d.* per oz.

RHATANIA.—A 4-bale parcel offered at auction realised 4¼*d.* per lb.

RHUBARB.—Very little demand. About eleven cases out of 69 offered to-day sold at fairly steady rates, but business was entirely confined to common grades; *High-dried*, medium to bold, fair coat seven-eighths pinky, one-eighth grey fracture flat, bringing 11*d.* per lb.; fair coat, partly rough, half dark, half pale, fracture, 4¾*d.* to 6½*d.* per lb.

SAFFRON.—The reports from Spain indicate that the rise is progressing daily, 22*s.* 3*d.* f.o.b. Valencia being this morning's telegraphic quotation for best quality. At auction several lots of Valencia, Alicante, and Salonica saffron were offered and all bought in.

SARSAPARILLA.—*Honduras* root is slightly easier, damaged quality selling at 1*s.*, while for sound 1*s.* 1*d.* per lb would be accepted. Sixteen bales fair, grey *Jamaica* sarsaparilla were bought in at 1*s.* 4*d.* per lb., and 5 bales native Jamaica, yellow to fair, realised from 6*d.* to 9½*d.* per lb.

SENNA.—*Alexandrian* senna appears to be advancing in price, 1*s.* per lb. being now wanted for good leaf. *Pods* of fair quality sold at 7*d.* per lb. to-day. Of *Tinevelly* senna about 300 bales were offered. The bulk of this sold at somewhat irregular rates, the market showing on the whole a barely steady tendency. Fair greenish to good medium to bold green leaf realised from 4½*d.* to 5¼*d.*, medium to bold greenish yellow from 3*d.* to 4*d.*, small to medium, partly specky and dull down to very common, from 2¾*d.* to 1*d.* per lb.

SOY.—For 30 casks *China* soy 10½*d.* per gallon, a rather low price, was accepted to-day.

SQUILLS.—For one lot of fair quality 3½*d.* per lb was paid.

STROPHANTHUS.—Ten packages of fair green *Kombé* seed, which have been offered before, were bought in to-day at 4*s.* 3*d.* per lb.

SUGAR-OF-MILK.—A little may still be had, possibly, at 57*s.* 6*d.* per cwt. for white *Crystals* or *Powder*, but the general bottom price is 60*s.* per cwt.

TONQUIN BEANS.—*Angosturas* are held at from 7*s.* to 7*s.* 6*d.* per lb. nominally for good to fine quality. Good flat *Pará* beans are worth from 2*s.* to 2*s.* 6*d.*, fair black

1*s.* 9*d.* per lb. At auction to-day 7 cases sold at from 11*d.* down to 9*d.* per lb. for common foxy mixed.

VANILLA.—About 150 tins offered to-day, and sold with excellent competition at an advance of from 2*s.* to 3*s.* for fine qualities, 5½ to 8½ inch, realising 19*s.* 6*d.* to 23*s.*; good chocolate, 5 to 8 inch, 15*s.* to 17*s.* 6*d.*; foxy and brown to fair, from 4*s.* 9*d* to 11*s.* 6*d.* per lb.

VANILLIN.—There has been a reduction in the price of this article of 2*s.* per oz., the present rate for small to fair wholesale quantities being 17*s.* per oz., although for large lots 16*s.* 6*d.* would be accepted.

WAX (BEES').—There was a very large supply of beeswax from various parts of the world at to-day's sales; but buyers have lately become very particular owing to the prosecutions for adulteration that have taken place. Upon the whole, prices were firm for San Domingan, slightly easier for Madagascar, and somewhat below the rates paid privately for Jamaican wax. The following prices were realised:—*Jamaican*, brown mixed to good bright, from 7*l.* 12*s.* 6*d.* to 7*l.* 17*s.* 6*d.*; *Australian*, fair grey, 6*l.* 15*s.* to 7*l.* 5*s*; *San Domingan*, brownish grey, 6*l.* 10*s.* to 7*l.*; *Madagascar*, ordinary dull to fair, 6*l.* 15*s.* to 7*l.* 2*s.* 6*d.*; and yellow bleached *Madras*, 7*l.* per cwt.

THE SALE OF MORPHIA.

AT Croydon, on Tuesday evening, the Borough Coroner (Dr. Jackson, J.P.) held an inquiry concerning the death of Emily Susan Marks, aged 35 years, a trained nurse, who died on Sunday last from the effects of an overdose of morphia. A sister of the deceased having proved that a hypodermic syringe and a 2-oz. bottle, with a cork bearing on the seal the name Barrett & Dix, were found in her bed, and the doctor having given evidence that the death was due to morphia-poisoning, Mr. Thomas Henry Dix, of the firm of Messrs. Barrett & Dix, chemists, of 81 High Street, Croydon, stated that it was probable the cork produced came from his shop. Witness knew the deceased, who had been a customer at his shop for some years. He had never known her to be served with a hypodermic injector, but on several occasions she had been served with solution of morphia. There was atropine in the solution produced, but that had never been purchased by the deceased from his shop. Deceased had never been supplied with morphia except on the production of a physician's prescription. Witness's books showed that one of the prescriptions was signed by a physician attached to St. Thomas's Hospital, while others were signed by a doctor at the Royal Infirmary, Margate. In each case the prescription was made out to the deceased individually and for morphia alone, and morphia alone was supplied. Deceased was last supplied with morphia in September. She always had 1 oz., but the bottle produced had contained 2 oz.

Having summed up, the jury, after a brief deliberation, found that death was the result of an overdose of morphia, subcutaneously and inadvertently injected by the deceased herself.

INDECENT PHOTOGRAPHS.

AT Bow Street Police Court, on Thursday, before Sir John Bridge, Howard Hogben, who manages a chemist's shop at 5 Railway Approach, Charing Cross, was charged with selling indecent photographs. Detective-sergeant Ward deposed to the arrest that morning upon a warrant. Prisoner took witness into a cellar, and took a number of photographs from the pocket of an overcoat which was hanging up there. He handed them to witness, and said, "That's all I have got." Witness returned to the shop and found a locked bag, which contained a book of photographs and some loose photographs of an indecent character. In another portion of the shop he found certain goods intended to be used for a certain purpose. There was a second warrant in respect to prisoner's private residence at Peckham, where Detective-sergeant Hailstone found five indecent photographs.

Thomas McGowan, a National Vigilance Association official, stated that on Wednesday he went to the shop. The name of "J. B. Hay" appeared upon the door. Prisoner was behind the counter. Witness was supplied with a pick-me-up, and then asked for some photographs, and was supplied with some at 4*s.* each.

Prisoner pleaded guilty, and asked for mercy. He said his people were well connected. His father was a clergyman, and his brother was a Senior Wrangler at Cambridge. He had five children, and was maintaining three of them at a boarding-school. Officers and others came into his place to buy these things, and the temptation to sell them was very great.

Prisoner was committed for trial.

LONDON DRUG STATISTICS.

THE following figures refer to the movement of some of the principal kinds of drugs at the public warehouses in the Port of London during the years 1894 and 1893, and to the stocks on December 31:—

Article	Stocks		Imported		Delivered	
	1894	1893	1894	1893	1894	1893
Aloes.....os, &c.	4,628	6.226	2 010	4,046	3,608	3.523
" .....gourds	3,223	3,256	813	3,462	846	1,007
Anise, Star .....cs	457	613	—	712	156	338
Arrowroot ....brls	10,027	7,489	17 274	17 377	14,736	15 170
" bxs & tins	2,356	923	4,054	2,700	2,621	2 270
Balsams....cks, &c.	1,175	1,897	724	1.956	1,445	1,413
Borax .....pkgs	—	5	376	20	381	276
Calumba..... bgs.	997	1,962	1.169	3,726	1,915	2,251
Camphor ....pkgs.	4,300	4 883	11 081	12.167	11,663	10 799
Cardamoms..cs, &c.	986	581	3.162	2.313	2,642	2 279
Cinchona bark:—						
S. American ..cs	64	52	30	16	18	20
" bls, &c.	20,021	23,195	10.431	8 119	12 723	8,481
E.I. Ceylon, and Java cs	184	105	207	67	127	105
E.I. Ceylon, and Java bls	11,797	14,491	18 506	28 825	21,251	29,475
Cocc. Ind. ....bgs	194	558	125	397	489	526
Cream of tartar cks	—	26	69	31	95	16
Cubebs .....bgs	386	370	603	664	587	613
Dragon's Blood ..cs	187	97	362	169	272	190
Galls, China, &c. cs	493	438	2.504	2.535	2 449	2,592
Trky & Prsn..sks	2 894	2,591	3,977	3,526	3,672	3,172
Gums—						
Ammoniac....pgs	75	85	158	43	176	104
Animi & Copal "	9,686	10 005	19.806	18.171	19 943	18 290
Acacia..... "	10,322	13.827	16 659	24,164	20,503	22,451
Asafœtida .. "	173	183	910	684	1,004	585
Benzoin .... "	1.726	3,048	1,903	3,653	3,225	2,702
Damar..... "	2,935	3,635	6,761	5,367	7.277	5,247
Galbanum .. "	11	15	1	7	5	23
Gamboge .. "	228	200	423	357	415	314
Guaiacum .. "	126	192	128	193	194	196
Kino ..... "	17	4	18	15	8	13
Kowrie .....tns	2,714	1.906	4,434	3,375	4,007	2,707
Mastich ....pkgs	21	22	38	29	39	28
Myrrh ..... "	422	305	711	494	482	413
Olibanum .. "	3,915	2,701	9 210	7,041	8,186	6,692
Sandarach .. "	753	948	1,082	1,111	1,197	1,113
Tragacanth "	2,652	1 836	6,278	6.760	5 460	5,722
Ipecacuanha bls&pgs	863	804	1,446	1,742	1 387	1,649
Jalap .....bls	180	151	341	518	303	423
Lac Dye .....chts	2,912	4,400	—	—	1,488	487
Myrobolanes....tns	4,454	4,965	6 904	5,558	7,428	5,934
Nux Vomica ..pkgs	872	559	3,451	1,372	2,965	1,412
Oils—						
*Anise .....cs	56	85	156	284	184	208
*Cassia ..... "	134	59	227	215	150	237
Castor.....cks	85	209	533	649	626	575
" .....cs	1,587	1,416	3.060	3,532	2.930	3,815
Cocoa-nut ....tns	766	560	3,080	2.926	3,020	3,029
Olive ....cks, &c.	1,095	893	3,347	3,011	2 695	2,632
Palm .....tns	7	5	65	61	60	61
Quinine Sulphate lbs	172,067	—	1.570	—	7,054	—
Rhubarb .....chts	1,156	929	1,746	1,298	1.483	1,376
Safflower ..bls, &c.	147	109	168	158	130	109
Sarsaparilla ....bls	344	412	1,078	1.294	1,146	1,347
Senna ....bls, &c.	2,373	3,958	3,229	7,457	4,780	5 023
Shellac—						
Orange .. cs	12,906	19,350	32.951	29,266	39,482	30,010
Garnet .. "	1,794	3,860	7,357	9,123	9,626	9,227
Button .. "	3,991	3,376	10,686	8,546	9,783	8,596
Total ....chts	18,691	26,586	50,993	46,935	58.891	47,933
Sticklac .....cs.	368	687	2,991	4,602	3,269	4,095
Gambier .....tns	469	799	11,075	10,616	11,408	10,323
Cutch..... "	2,782	2,337	2,635	2,511	2,181	2,271
Turmeric, Bengal "	161	149	130	328	159	239
Madras, &c. .. "	709	246	1,128	732	640	649
Total	870	395	1,258	1,060	799	888
Vermilion chts, &c.	16	46	16	40	46	62
Wax (bees') bls&sns	376	772	4,068	4,164	4.474	4,328
" cks & cs	679	1 133	3.309	2.750	3.690	3,173
" (Japan)cs, &c.	1,247	836	1.683	1,507	1.215	1,165

* These statistics do not include the oils at Smith's Wharf and Brewer's u ay, as those warehouses decline to supply returns.

LEGAL QUERIES.

Immediate information on pharmaco-legal matters is available in "Pharmacy and Poison Laws of the United Kingdom," Alpe's "Handy-book of Medicine-stamp Duty," and THE CHEMISTS' AND DRUGGISTS' DIARY.

212/52. *Inspector* asks for information as to the appointment of inspectors under the Sale of Food and Drugs Act. Section 13 of the Act (1875) provides that "Any medical officer of health, inspector of nuisances, or inspector of weights and measures, or any inspector of a market, or any police-constable, under the direction and at the cost of the local authority appointing such officer, inspector, or constable, or charged with the execution of this Act, may procure any sample," &c. Under the Act the Vestry in London and the Quarter Sessions and municipalities in the provinces are the proper local authorities to appoint the above. Our correspondent had better apply to the Vestry Clerk of his district, who will give him all the necessary information, including the alterations made by the recent legislation.

212/68. *G. A. H.* asks:—"Should not names of contractors and prices be published by local authorities? This refers to contracts for drugs, &c. Also can a ratepayer claim to see such contracts?" Our correspondent does not mention what local authority he refers to, and as there are some twenty or thirty different authorities at least, it is rather difficult to answer his question. So far as we are aware, there is no Act which compels the publication of the names of the contractors and prices, although, as a rule, they appear in the local Press when the tenders are opened, and application to the Clerk of the authority would no doubt obtain inspection; but if that application fails, the only way to gain any information as to the prices, &c, is to attend the audit of the rates, &c., when any ratepayer is entitled to see any of the vouchers, which would, no doubt, give part of the information required. Under some of the Acts governing local authorities, ratepayers are entitled to inspect the books of the authority, but probably they would not give much assistance. We should think that if our correspondent were to address himself to the Town Clerk, or the Clerk of the Guardians, as the case may be, he would obtain the information he requires without any difficulty.

217/45. *A. M. S.*—It would certainly be illegal for any person not licensed to sell spirits to supply brandy. The circumstance of its being ordered by a medical man would in no way effect the law. If the person for whom it was ordered happened to be in urgent need of it, we suppose anyone who had some would give it, and in such a case it is not likely that the Revenue authorities would prosecute, but they are not likely to make any special concession to chemists to allow them to sell brandy when they shall think fit.

219/58. *G. J.*—No doubt the statement we published on the authority of Mr. Woollons that the words on the label, "for the destruction of every kind of parasite," rendered the lotion liable, was correct. You can only get an official confirmation, or contradiction, of this by submitting your own label to the Board of Inland Revenue.

215/32. *Kompo.*—We can only tell you that the law requires that sales of preparations containing poisons named in the first part of the schedule should be registered. The vendor being qualified makes no difference.

219/7. *Desperandum* writes:—"The Pharmaceutical Society, having entered into a legal contract with me by accepting my fee to examine me for the Minor qualification, and I, having presented myself, fail to satisfy one examiner, does the contract not compel them to take me through the whole examination?" [We think it does. The by-law is perfectly clear on the point. The examiners are to examine each person who tenders himself (in proper form) in such-and-such subjects. Your only way of enforcing your claim, however, we fear, is by applying for a mandamus. If you are prepared to risk a few hundreds of pounds on the experiment to settle this point you will deserve well of future candidates. But bear in mind you may lose. Perhaps you might recover your fee by a county-court action.]

MISCELLANEOUS INQUIRIES.

Back numbers containing formulæ, educational or other specific information can be obtained from the Publisher.

N.B.—We destroy anonymous letters. We do not answer queries of the kind here dealt with by post. We ask that separate queries shall be written on separate sheets of paper.

Analytical Reports.—We hope to reply next week to queries not dealt with in this issue. We must ask correspondents to label samples which they send. At present we happen to have three samples of a boot-sole dressing from different subscribers, and not one of them labelled. If there happen to be a sample or two of complexion-cream of the same appearance the result might be awkward.

213/31. *Ellendaw.*—Crystal paraffin oil is what is used for promoting the growth of the hair. Purified Russian petroleum and benzoline are preferable. See the correspondence in *C. & D.*, February 10, 1894, and subsequent issues. Consult the DIARY Buyers' Guide as to where you may get it.

211/64. *Lacq.*—Urushi, or Japanese Lacquer, becomes dark on exposure. This is a natural characteristic, and we are not aware of any method of preventing it. The best information you can get as to this lacquer is in a paper contributed to the Chemical Society by a Japanese chemist about ten years ago. You should refer to it.

203/45. *Tussis.*—In view of the publication of "Counter Practice" recipes it is not necessary to reply to your questions fully. It is a common error (into which you have fallen) to make cough-mixtures wholly of expectorants. The result in many cases is a cough-producing mixture, for the expectorants increase the bronchial secretion, which would kill the patient if nature had not provided us with an automatic coughing-apparatus. Your mixture is one of that kind. Select something better from "Counter Practice."

212/36. *R. P.*—We prefer that the conundrums should be sent in on postcards, but as we inadvertently did not stipulate it in our first announcement it is not a *sine quâ non* this month. You may send as many as you like.

212/37. *G. A. E.*—Your coupon was received all right.

211/57. *F. R. T.*—You cannot dissolve gum sandarac in water in the manner which you suggest. Your question regarding benzoin is too vague. You should be specific when you ask for information.

92/12. *J. J. S.*—You will find an article on Whooping-cough in our summer issue (July 28, 1894), which you should read. Treatment must vary as the disease progresses, which is the reason why your mixture helps some and not others. See also under "Counter Practice."

80/14. *Inquiring Subscriber* (Bilbao).—(1) We understand that the paste on Edison phonograph-cylinders is a soap, an aluminium oleate, &c., but the exact composition we do not know, and we do not think that it can be made by other than the patentees. (2) If it is a preparation of Free Phosphorus that you want, you will find pil. phosphori the most satisfactory—the following, for example:—

Phosphori	gr. j.
Chloroformi	♏x.

Dissolve and mix with the following:—

Pulv. glycyrrhiz.	ʒj.
Aq.	♏xx.

Then mass with—

Ext. nucis vom.	gr. x.
Pulv. trag. co.	q.s.

Divide into fifty pills.

(3) Tonic for Nervous Debility.—The following is satisfactory when the patient is simply "seedy" through overwork:—

Acid. hydrobromic. dil.	ʒiij.
Tinct. nucis vom.	ʒij.
„ aurantii	℥j.
Aquæ chloroformi ad	℥viij.

M.

A tablespoonful twice or three times a day immediately before food.

183/25. *Pickles.*—Cheap Relish.—The following will give a preparation resembling the sample which you send:—

Mushroom ketchup	Oiij.
Cider	Oj.
Tomatoes	lbs. iij.
Cayenne pepper	ʒij.
Allspice	℥j.
Cloves	℥ss.
Asafœtida	ʒj.
Salicylic acid	ʒij.

Beat up the tomatoes (the tinned kind will do) with the powdered spices, and add the ketchup, cider, and salicylic acid. Set aside for a fortnight, shaking every day; then decant the clear portion, and press as much liquid as possible out of the rest.

194/33. *Catgut.*—There is practically no change in the formula.

200/25. *Rancid.*—The liquor plumbi is of little value in your Chilblain Liniment. The following is a better preparation:—

Chloroformi	ʒij.
Lin. belladonnæ	ʒij.
Liq. ammon. fort.	ʒij.
Glycerini	℥ss.
Lin. saponis ad	℥iij.

M.

For broken chilblains use:—

Zinci oxidi	ʒj.
Hydrarg. ox. flav.	gr. ij.
Lanolini	℥ss.
Vaselini	℥ss.

M.

This is an excellent and safe dressing.

211/2. *Labiæ.*—French Lip-salve.—We examined one of the stick-preparations some time ago, and found it to be somewhat on the following line:—

White vaseline	℥iv.
Hard paraffin	℥j.
Benzoic acid	ʒj.
Vanillin	gr. ij.
Otto of rose	♏v.

M.S.A.

Modify the quantity of paraffin to suit the consistency required.

217/16. *Standard.*—You will find a collection of formulæ for tooth-powders in *C. & D.*, July 30, 1892, page 156. There have been many before and since.

INFORMATION SUPPLIED.

For this section we are always glad to receive from subscribers brief notes on practical subjects, recipes which have been found good in practice or which have required modification, and hints or fresh ideas on any pharmaceutical or trade matter.

197/32. Solution of Ferrous Sulphate.—"Chemist" can keep his solution of ferrous sulphate clear by putting in it a little glycerine, or spirit, or sugar, or anything that will act as a weak reducing agent. QUIVIS. (213/54.)

31/12. *H. S. H.* (Paris.)—We thank you for your replies to two queries.

INFORMATION WANTED.

The Editor invites, on behalf of inquiring subscribers, postcard replies to the following:—

102/31. Manilla cheroots, "La Gloria de Filipinas" brand: where obtainable?

213/9. Makers of sterilising ovens and incubators.

Next Week.

Meetings, &c., to be held, and business to be transacted thereat. Suitable notices will be inserted in this section if received by the Editor on or before Wednesday.

Monday, January 14.

Society of Arts, John Street, Adelphi, W.C. "The Arc Light." Cantor lecture, by Professor Silvanus P. Thompson. At 8 P.M.

Tuesday, January 15.

Royal Institution of Great Britain. Professor Charles Stewart on "The Internal Framework of Plants and Animals" (I.). At 3 P.M.

Wednesday, January 16.

Chemists' Ball, Portman Rooms, Baker Street, W. Dancing at 9 P.M.

Manchester Pharmaceutical Association. Mr. Charles Turner will give a lantern-illustrated botanical lecture. At 7.30 P.M.

Royal Microscopical Society, 20 Hanover Square, W. Annual meeting and address by the President, Mr. A. D. Michael. At 8 P.M.

Edinburgh Chemists' Assistants' and Apprentices' Association, 36 York Place. A symposium conducted by Mr. Donald McEwan. At 9.15 P.M.

Society of Arts, John Street, Adelphi, W.C. Sixth Ordinary meeting. "Commercial Synthesis of Illuminating Hydrocarbons," by Professor Vivian B. Lewes. At 8 P.M.

Thursday, January 17.

Chemists' Assistants' Association, 103 Great Russell Street, W.C. Mr. J. S. Ward on "Adulteration a Century Ago." At 8.30 P.M.

Liverpool Chemists' Association, Royal Institution, Colquit Street. Annual meeting and presidential address. At 7 P.M.

Chemical Society, Burlington House. "Acid Sulphate of Hydroxylamine," by Dr. Divers, F.R.S.; "Mercury and Bismuth Hypophosphites," by S. Hada; "Kamala," Part III., by A. G. Perkin. At 8 P.M.

Friday, January 18.

Royal Institution of Great Britain. Professor Dewar on "Phosphorescence and Photographic Action at the Temperature of Boiling Liquid Air. At 9 P.M.

TRADE MARK.

TOMLINSON'S DAIRY HELPS.

ESTABLISHED 1842.

TOMLINSON'S BUTTER POWDER.—Shortens the time of churning, corrects all unpleasant tastes, increases the yield.

TOMLINSON'S BUTTER COLOUR.—A pure Danish preparation, always sweet, never changes, goes farthest, and gives most natural tint.

TOMLINSON'S "PRESERVATIVE."—A genuine antiseptic, guaranteed effective for preserving Milk, Butter, Fish, &c. Medical Certificate of Purity.

TOMLINSON'S EXTRACT OF ANNATTO (pure liquid).—For Cheese Colouring, &c.

TOMLINSON'S RENNET.—For Cheese Making; also a suitable preparation for Curds and Whey. Strength and Purity guaranteed.

NOTE.—*These useful and pure Dairy Helps are well advertised, and sell readily. Attractive Printed Matter. Liberal Terms.*

BEWARE OF IMITATIONS.

Only Address—TOMLINSON & CO., MINT STREET WORKS, LINCOLN, ENGLAND.

CRYSTAL PALACE JOHN BONDS GOLD MEDAL MARKING INK

Sale ever increasing at Home and Abroad, showing the appreciation by Trade and Public of this original and genuine Preparation.

GIVEN AWAY

And enclosed with every 6d. & 1s. Bottle and every 6d. & 1s. Marking Ink or Pencil, a voucher entitling Purchasers to their Re-vulcanised Gold Medal Rubber Stamp. Name in full or Monogram, for Marking Linen or Paper. Original Patentee of the Marking Ink Pencil.

WHOLESALE and EXPORT DEPOT:—75 SOUTHGATE ROAD, LONDON, N.

Send for Illustrated Price Lists and Samples for Travellers and Showrooms.

LARGEST SALE OF ANY MARKING INK IN THE WORLD.

Vinolia Soap

MAKES THE SKIN AS SOFT AS VELVET.

DOES NOT "TOUCH UP" THE SKIN.

ESPECIALLY PREPARED FOR THE MOST SENSITIVE SKINS.

Vinolia Soap. Premier, 4d., Floral, 6d., Balsamic, 8d., Toilet (Otto), 10d., and Vestal, 2/6.
Vinolia Cream. (For Face Spots, Itching, Chaps, Chilblains, &c.), 1/1½ and 1/9.
Vinolia Powder. (For Redness, Roughness, &c.), 1/- and 1/9.
Vinolia Dentifrice. English, 2/6, American, 1/6, and No. 2, in metal boxes 6d. and 1/-.

MALT EXTRACT.

E. LECONTE & CO^Y.

THE LARGEST MALT EXTRACT MANUFACTURERS IN THE WORLD.

3 GOLD MEDALS AND LEGION OF HONOUR for Scientific Improvements in the Manufacture of Malt Extract, &c.

DIASTASIC MALT EXTRACT, prepared in Vacuo from the finest Barley, and specially made for Manufacturing Chemists to combine with other preparations. Also for Medicinal purposes, Brewers, Vinegar and Wine Makers, Bakers, and Confectioners.

MALT EXTRACT MANUFACTURED ANY DIASTASIC STRENGTH REQUIRED.

MALT EXTRACT AND COD LIVER OIL.

Samples and Quotations on Application.

Wholesale & Export—HORSESHOE ALLEY WAREHOUSES, BANKSIDE, LONDON, S.E.

MANUFACTORIES—

ESTAIRES, LA GORGUE, MARCOING, & DUNKIRK, FRANCE.

DUNCAN, FLOCKHART & CO.

Wholesale and Export Druggists,

EDINBURGH.

CHLOROFORM

(DUNCAN'S).

PREPARED FROM PURE AND METHYLATED SPIRIT.

Also CHLOROFORM (BLUE LABEL).

Put up in all sizes of bottles. A strap with Name and Trade Mark of the Firm is placed over the stopper of each bottle. For Export, in stoppered bottles, securely luted, and in hermetically sealed flasks when required.

N.B.—We guarantee all the above **CHLOROFORMS** *to be* **PURE CHLOROFORM,** *answering all the tests of the British Pharmacopœia.*

Telegraphic Address—"IPECAC LONDON." ESTABLISHED 1833. Telephone No. 4369.

BAISS BROTHERS & CO.

Wholesale & Export Druggists & Manufacturing Chemists,

Makers of **CONCENTRATED LIQUORS,**

SOLID AND LIQUID EXTRACTS, B.P. & U.S.P., and all Pharmaceutical Preparations.

OL LAVAND. "Special."
ESS. LIMONIS. "Special."
1893.
(Imported direct from Sicily.)
PERFUMES. "Special."
SYR. HYPOPHOSPH. CO.
(Neutral and Bright).

FINEST NON-FREEZING NORWEGIAN COD-LIVER OIL (1894).
TASTELESS CASTOR OIL.
ENGLISH & FOREIGN ESSENTIAL OILS.
EXTRACT OF MALT AND EXTRACT OF MALT AND COD-LIVER OIL.
In 8-oz. and 16-oz. Amber Bottles with Artistic Labels.
EUCALYPTUS OIL.
"VIRGINIAN" SALAD OIL.

SPECIAL QUOTATIONS TO LARGE BUYERS.

JEWRY STREET, LONDON, E.C.

AND NEW BROWN STREET, MANCHESTER.

"THE QUARTERLY THERAPEUTIC REVIEW," a record of all the published NEW REMEDIES, is published by us in January, April, July, and October. A Free Copy Mailed, with Prices Current, on receipt of Business Card.

Schacht's Preparations.

SCHACHT'S LIQUOR BISMUTHI.
Absolutely pure. The original preparation, invented and introduced to medicine by Mr. Schacht in 1855. Its distinct superiority is universally admitted. In ½ lb., 1 lb., 2 lb., and 5 lb. bottles. Dose: 1 drachm diluted. When ordering, please to specify "SCHACHT'S."

SCHACHT'S LIQ. BISMUTHI SEDATIVUS.
Contains pure Bismuth and *Pepsina Liquida* in combination with sedatives. A formula most serviceable in the treatment of gastric pain. In 4 oz., ½ lb., and 1 lb. bottles.

SCHACHT'S SYR. CINCHONÆ ALCOHOLICUS.
A standard preparation, of definite alkaloidal strength, containing the entire medicinal properties of the finest Cinchona Bark. It is, in fact, *Bark minus the woody fibre*, and its efficiency has been proved by careful medical inquiry. Dose: Ten to sixty drops.

SCHACHT'S PEPSINA LIQUIDA (REGISTERED TITLE).
Finid Pepsine of extraordinary activity—tasteless, odourless, attractive to patients, and reasonable in price. Every teaspoonful when tested by the official B.P. process is *guaranteed* to effect the solution of 1,000 grains of albumen. Peptic power is the only test of value. Most of the fœtid and repulsive dry Pepsines have proved worthless. In 4 oz. bottles, 2s. 6d. each; and larger sizes, for dispensing, at a cheaper rate.

SCHACHT'S PEPSINA LIQUIDA C. BISMUTHO.
Each drachm contains in a concentrated form, besides the fluid Pepsine a full dose of Schacht's Liquor Bismuthi. Dose: One drachm. In ½ lb. and 1 lb. bottles.
N.B.—Pepsi. Liq. c. Bismutho Co. contains, in addition, one grain soluble Euonymin in each drachm.

SCHACHT'S PEPSINA LIQUIDA C. EUONYMIN.
Each drachm contains one grain of soluble Euonymin. Dose One drachm. For dispensing, ½ lb. and 1 lb. bottles.

SCHACHT'S LIQ. PODOPHYLLI C. BISMUTHO.
A perfect solution of Podophyllin, containing ¼ grain in each drachm.

SCHACHT'S LIQUOR CASCARÆ DULCIS.
A pleasant and active form of Cascara Sagrada. Dose: One to three teaspoonfuls diluted. In 4 oz., ½ lb., and 1 lb. bottles.

SCHACHT'S INFALLIBLE RENNET.
An entirely new Essence, perfectly reliable, for the coagulation of Milk and the production of Junkets and Curds and Whey. It is a preparation of the most wholesome nature, that *contains no salt*, and has no special taste, smell, or colour. In large bottles at 1s. of any Chemist's This Essence keeps well in any climate.

The above Preparations can be procured from Messrs. Barclay & Sons, W. Edwards & Son, and the Wholesale Druggists; or direct by post from

GILES, SCHACHT & CO., Clifton, Bristol.

HIGHEST AWARD, CHICAGO, 1893.

T. & H. SMITH & Co.

MANUFACTURERS OF

MORPHINE AND ITS SALTS.
In powder and crystals.

MORPHINE TARTRATE.
Introduced by us and specially prepared for hypodermic treatment.

CODEINE AND ITS SALTS.

APOMORPHINE MURIATE.
CAPSICINE. **GINGERINE.**
JALAP RESIN. **ALOIN.**
SCAMMONY RESIN.
JALAPINE. **SALICINE.**

CHLOROFORM.
Absolutely pure and answers all official tests.
Also **CHLOROFORM RECT.**
From Alcohol.

ERGOTINE.
CANTHARIDINE.

Inventors and Sole Manufacturers of the **TELA VESICATORIA** *or Blistering Tissue*
By far the most efficient Cantharides Vesicant in existence.

EDINBURGH Address—21 Duke Street. **LONDON Address—12 Worship Street, E.C**
NEW YORK Office—20 Cedar Street. **DILLON & CO., Agents.**

CHEMICAL DISINFECTANT.

10 and 15% CARBOLIC Antiseptic and Deodorising Powder.
Bags and casks free.
AGENTS WANTED
to supply Corporations and large users.
6d. and 1/- Decorated
4/- and 8/- per doz. Boxes.
Special terms for 5 gross and upwards, with agent's name and address thereon.

CHESHIRE BIRD LIME.

In 1d., 2d., and 3d. tins. Also in 1, 2, 3, and 7 lb. Tins and Casks, for large consumers and the trade.

FLY PAPER MATERIALS

Supplied in Wholesale quantities
SPECIAL TERMS.

"COAGULINE"

(TRADE MARK).
Transparent Cement for Broken Articles.

CUE CEMENT, CUE-TIP FIXERS

(Brass or Wood).
TIPS, WAFERS, CHALKS.

A NEW WHITE CEMENT,

Inorganic, and almost Hydraulic.

TRADE MARK.

FOR STONE, PORCELAIN, POTTERY, and all VITREOUS SUBSTANCES.
Requires no preparation and is easy and clean in application.

Prices, Circulars with Name and Address, Specimens, Show Cards, Glass Tablets, &c., &c., on application.

KAY BROTHERS LIMITED, Laboratory and Works, ST. PETERSGATE MILLS **STOCKPORT.** Founded A.D. 1786. Incorporated 1887.

CLARKE'S WORLD FAMED BLOOD MIXTURE THE GREAT BLOOD PURIFIER.

The Hon. Surgeon to his Excellency the Viceroy of India prescribes "CLARKE'S BLOOD MIXTURE" largely, and speaks highly of its efficacy in skin affections, &c.—A. JOHN & CO., Chemists, &c., Agra, India.

Counter Bills and Posters, with Name and Address, also Show Cards, on application. Printed matter supplied in any Language for Foreign Agents.

CAUTION.—Immediate proceedings will be taken against all persons pirating the Trade Mark, "Blood Mixture" (Registered No. 3,275), Labels, Wrappers, Bills, or Advertisements, or in any way infringing the rights of the Sole Proprietors,

THE LINCOLN & MIDLAND COUNTIES DRUG CO., LINCOLN, ENGLAND.

"S" BRAND TRADE MARK

THE
Heidelberg Gelatine Works,
STOESS & CO.
Ziegelhausen, near HEIDELBERG.

GELATINES

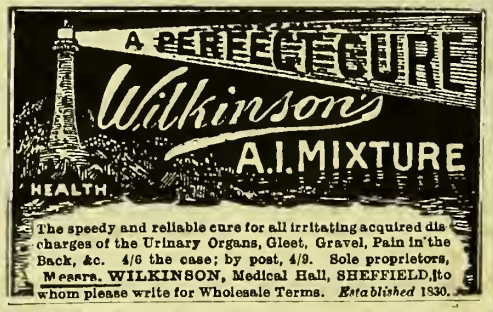
OF ALL KINDS AND DESCRIPTIONS

SPECIALITIES:
The Finest & Purest Qualities for Culinary, Domestic, and Technical purposes.

STOESS' IMPROVED GELATINE for EMULSIONS.

SOLE AGENT—**FREDK. BOEHM,**
4 Cullum St., LONDON, E.C.
STOCK KEPT IN LONDON.

BRAND "S"



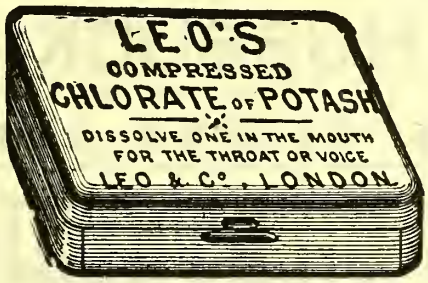
LONDON AGENTS for Wilkinson's A1 Mixture, Special Elixir, etc.—Hovenden, 91 City Road; Lynch, Aldersgate Street; Edwards & Co., 57 Queen Victoria Street; May Roberts, 9 Clerkenwell Road; Sutton & Co., 76 Chiswell Street, Finsbury; and all the Patent Medicine Warehouses.
BELFAST—Haslett, North Street. GLASGOW—Apothecaries Co., Virginia Street. EDINBURGH—Raimes, Clark & Co.

LEO'S COMPRESSED DRUGS

Ammon. Brom.
Ammon. Chlor.
Antifebrin.
Antipyrin
Bismuth Subnit.
Chloralamid
Ipecac. Powd.
Ipecac. & Opium
Pepsine, B.P.
Phenacetin
Potass. Bicarb.
Potass. Brom.

Maintain their high reputation against all comers for general excellence of quality and finish.

When ordering specify LEO'S.



They are supplied by all the Wholesale Houses.

COMPRESSED CHLORATE of POTASH.
CHLORATE OF POTASH & BORAX.

Quotations given for large and small quantities.

Potass. Iodide
Quinine
Salol
Salicin
Soda Bicarb.
Soda Mint
Soda Salicylate
Sulphonal
Sulphur Compound
Urethane
Voice (Potass. Chlor., Borax and Cocaine)

[2]

LEO & CO., 8 CREECHURCH LANE, LONDON, E.C.

HEWLETT'S
MIST. PEPSINÆ CO. c. BISMUTHO.

Price (in England) 10s. 6d. per pound.
Dose.—½ to 1 drachm, diluted. Packed (for Dispensing only) in 10-oz., 22-oz., 40-oz., & 90-oz. Bots.

LONDON MEDICAL RECORD REPORT. [1]

MISTURA PEPSINÆ COMPOSITA CUM BISMUTHO.

"This combination of Messrs. HEWLETT'S is one which has been extensively tested, and with good results. It is justly popular in the profession as a very valuable and effective combination. It serves not only to improve aspepsia, but to lessen the gastric pain and to facilitate difficult and painful digestion, without setting up any evils of its own. It is a very good crutch for persons of weak stomach to lean on."—*January* 15, 1881.

INTRODUCED AND PREPARED ONLY BY

C. J. HEWLETT & SON Wholesale Druggists, 40, 41 & 42 Charlotte St., **LONDON, E.C**

The most agreeable Aperient Medicine ever introduced.

CASCARA JELLY

(HORSE-SHOE BRAND).

DOSE—Half to One Teaspoonful.

See Reports in THE LANCET, BRIT. MED. JOUR., MEDICAL PRESS AND CIRC., MEDICAL TIMES, GUY'S HOSPITAL GAZETTE, CHEMIST AND DRUGGIST, &c.

PRICE, in 2 oz., 4 oz., 8 oz., and 1 lb. glass jars, 7/-, 12/-, 20/-, 32/- per doz. (Retail, 1/-, 1/6, 2/6 and 4/- each.)
Recommended and prescribed by the Medical Profession. To be had of all Chemists.

C. R. HARKER, STAGG & MORGAN, 15 Laurence Pountney Lane, **LONDON, E.C.**

39

HUBBUCK'S PURE OXIDE OF ZINC

THROUGH THE CHIEF WHOLESALE HOUSES.

THOMAS HUBBUCK & SON, LTD

(ESTABLISHED 1765).

24 . LIME STREET, LONDON, E.C.

BEHRING'S DIPHTHERIA REMEDY.

Prepared under control of Professor Behring and Professor Ehrlich by

FARBWERKE VORM. MEISTER, LUCIUS & BRUNING,

HOECHST a/M, GERMANY.

Manufacturer's Registered Trade Mark.

Directions for use and all particulars will be furnished, on application, by

FARBWERKE vorm. MEISTER, LUCIUS & BRÜNING, 6 & 7 CROSS LANE, ST. MARY-AT-HILL, LONDON, E.C.

Stocks constantly on hand at the same address.

FERRATIN.

THE FERRUGINOUS ELEMENT OF FOOD.

FERRATIN is *the* Iron Compound for sanguification.

It is readily absorbable and assimilable, agrees well with patients, does not derange digestion but stimulates appetite.

Very favourable results from Ferratin Treatment have been reported in *The Practitioner* of August, 1894, pages 87–91.

See also *The Practitioner* of December, 1893.
" *Archiv. für Experimentelle Pathologie*, vol. xxxiii., 1893.
" *Le Temps*, 23rd August, 1894.

See also *Beilage zum Correspondenzblatt für Schweizer Aerzte*, 1st June, 1894.
" *Medicinische Post*, April 1st and 15th, 1894.
" *Reichs Medicinal Anzeiger*, No. 6, 1894.

Samples and further particulars sent free to members of the Medical Profession on application to

Messrs. DOMEIER & CO., 13 St. Mary-at-Hill, LONDON, E.C.

Messrs. PARKE, DAVIS & CO., 21 North Audley Street, LONDON, W.

C. F. BOEHRINGER & SOEHNE,

WALDHOF, near MANNHEIM,

MANUFACTURERS OF

B. & S. BRAND **COCAINE** B. & S. BRAND

SULPHATE OF QUININE, and all other CINCHONA PREPARATIONS.

ALSO OF

ACETANILID, CAFFEINE CHLORALHYDRAT, CUMARIN, GALLIC ACID,

GLYCERINE, HELIOTROPIN, PHENACETIN, PYROGALLIC ACID,

SALICYLIC ACID & SALICYLATES, STRYCHNINE, TERPIN HYDRAT, &c.

STOCKS KEPT IN LONDON, GLASGOW, AND DUBLIN.

AGENTS.—LONDON: Messrs. DOMEIER & CO., 13 St. Mary-at-Hill, E.C. GLASGOW: Messrs. F. R. MUELLER & CO., 47 Waterloo Street. DUBLIN: Mr. JOS. LECKY, 26 Eustace Street.

Agents for Australia—Messrs. RABONE, FEEZ & CO., SYDNEY, N.S.W.

THOMAS TYRER & CO.

STIRLING CHEMICAL WORKS. ESTABLISHED 1844.

STRATFORD, LONDON,

GUARANTEE ALL THEIR PREPARATIONS FOR

PHARMACY, PHOTOGRAPHY, & ANALYSIS.

PHOSPHORIC ACID, HYPOPHOSPHITES.

CHEMICAL FOOD, MERCURIALS.

ETHERS, PYROXYLINS, COLLODIONS.

LOFTHOUSE & SALTMER,

MANUFACTURING CHEMISTS, WHOLESALE & EXPORT DRUG MERCHANTS, HULL;

Manufacturers of Granular Effervescent Preparations. We shall be glad to give specially favourable quotations, and to send samples of our superior Nos. 1, 2, and 3 qualities of CITRATE OF MAGNESIA.

Importers of Cod-liver, Castor, and Olive Oils; Extra Super Essence of Lemon and Bergamot, Otto de Rose, and all Essential Oils; Valentia Saffron; Vanillas; Fruit Essences; Carmine, Aniline Dyes; Bees' Wax, &c., &c.

MANUFACTURERS of Very Superior Flexible Gelatine Capsules of Balsam Copaiba, Cascara Sagrada, Castor Oil, Cod-liver Oil, Santal Oil, and **Blaud's Pill Capsules,** equal to 1, 2, and 3 pills. Samples and Lowest Quotations per 1,000, or in Boxes for Retail, will be sent on application from either the Wholesale or Retail Trade.

MAGNESIA

CARBONATE, CALCINED, AND HYDRATE.

PURE FLUID MAGNESIA.

THE WASHINGTON CHEMICAL CO., LIMITED, WASHINGTON, COUNTY DURHAM, ENGLAND.

LONDON AGENTS—MESSRS. CLIFFORD CHRISTOPHERSON & CO., 17 Great Tower Street, London, E.C.

41

TO THE MEDICAL PROFESSION AND CHEMISTS.

Owing to misapprehensions as to the amount of morphine used in the preparation of

Mrs. WINSLOW'S SOOTHING SYRUP,

we wish to state that the amount is one-eighth (1/8) of one grain to a fluid ounce. As there are eight teaspoonfuls to an ounce, the amount of morphine in a teaspoonful, our maximum dose, is one sixty-fourth (1/64) of a grain.

It will be seen that this is very much less than the quantity used in similar preparations authorised by the Pharmacopœia.

The Anglo-American Drug Company (Lim.),
W. RENAUD, Managing Director.
33 Farringdon Road, London.

NOTICE TO THE TRADE.
Norton's Camomile Pills & Godfrey's Extract of Elder Flowers.

Largely Advertised.
Ready Sales.
Advertising Matter Showcards, framed or plain, sent on application.

NORTON'S LTD., 21 SPITAL SQ., LONDON, E.

RANDALL'S
BLACK CURRANT LOZENGES

Plain Black Currant, old square 2/6
Plain Black Currant, rough oval 2/6
Black Currant and Ipecacuanha 2/6
Black Currant and Tannin .. 3/
Black Currant Voice (warm astringent) 3/
Black Currant Cough Lozenges* 3/6
*Ipecac. & Morph., strength as "B.P."

In Bottles, 1-lb., 2-lb., 4-lb., and 7-lb. For exportation, in soldered Tins, of any size. From W. EDWARDS & SON and J. SANGER & SONS, London; through any Wholesale House; and from the Manufacturers,

RANDALL & SON, SOUTHAMPTON,
(W. B. RANDALL, H. WILSON),
Who will forward Samples by post on application.

Also Brown Cough Lozenges, 2/-; 7 lbs. stamped with name free.
N.B.—Medical Lozenges of every kind, including those of the Pharmacopœia of the Hospital for Diseases of the Throat, London, *made with Black or Red Currant.*

INDEX & BUYERS' GUIDE,
SEE PAGES 15, 16, 17.

ESTABLISHED 1833.
HORSES.—LIEUT. JAMES'S BLISTER.

CAUTION.
The annexed Label is at the top of every Pot of the *ORIGINAL* and only *GENUINE BLISTER*

The Messrs. Barclay & Sons, 95 Farringdon Street, London, and Messrs. Raimes & Co., Edinburgh, are now and have been Agents 57 years.

AGENTS:—Sutton & Co., 10 Bow Churchyard, W. Edwards & Son, 67 Queen Victoria Street. Newbery & Son, 37 Newgate Street; Evans, Lescher & Evans, Bartholomew Close; Burgoyne, Burbidges & Co., 16 Coleman Street; Lynch & Co., 171A Aldersgate Street; Southall Brothers and Barclay, Birmingham; R. Hovenden & Sons, 93 & 95 City Road, Finsbury; Sanger & Son, 150 Oxford Street; Millard & Sons, 40 Charterhouse Square; Corry & Soper, Shad Thames; A. A. Campbell, Leadenhall Street, London; Woolley, Sons & Co., 59 Market Street, Manchester; Apothecaries Company, Virginia St., Glasgow; John Thompson, 58 Hanover Street, Liverpool; Boileau & Co., Bride Street, Dublin; McMaster & Co., 121 & 122 Capel Street, Dublin; T. McMullen & Co. and J. Clarke & Co. (Lim.), Belfast; D. Galbraith, Londonderry; M. C Delacre Pharmacie Anglais, Bruxelles.
And by all Chemists, in Pots, 1/6, 2/9, 5/-, 9/-, *and* 16/-.

COLONIAL AGENTS:—MELBOURNE and WELLINGTON: Felton, Grimwade & Co.; SYDNEY, BRISBANE, and LAUNCESTON: Elliott Bros. & Co.; DUNEDIN and AUCKLAND: Kempthorne, Prosser & Co.; CALCUTTA: Smith, Stanistreet & Co.

W. H. JAMES, SOLE MANUFACTURER, FARINGDON, BERKS.
Advertised in "Bell's Life" 54 years. Beware of Spurious Imitations.

REDUCTION in the PRICE of

CAFFYN'S LIQUOR CARNIS

TO ONE SHILLING AND NINEPENCE for a THREE-OUNCE BOTTLE.

Commencing on the 1st ult. The price, therefore, to the trade will be 21/- per dozen case, less 20%. This is absolutely the cheapest way of obtaining the juice of beef, or fluid muscle, and certainly less than half—we might say a quarter—the price charged for the Meat Juices (*sic*) on the market.

(THIS SEASON'S FOODS.)

"MARROL."

The Yellow Marrow of Ox-bone, *plus* the Carbohydrate Extract of Malt in physiological proportions.

CHEAPEST FAT FOOD IN THE MARKET.

6-oz. Bottles (retail), 1/3.

SHEPPERSON'S

MEAT JUICE.

Shepperson's Meat Juice consists of the uncooked juices of British Beef highly concentrated, and possesses the taste of Roast Beef flavoured with fresh herbs.

CHEAPEST MEAT JUICE SOLD. 2-oz. Bottles, 1/9.

The LIQUOR CARNIS CO., Aston Clinton, Bucks; & 28a Farringdon Street, E.C. *Free samples supplied*

CIRCULAR ISSUED.

We beg to advise you that on and after January 1st, 1895, the Prices for HOMOCEA and HIPPACEA will be as follows, viz.:—

	1/1½	2/9 size.
Homocea...	10/6,	28/6 per doz. net.
	2/6	5/- 10/- size.
Hippacea	25/6,	51/-, 102 - per doz. net.

(The Veterinary Preparation of Homocea.)

	2/9 size.
Exano	28/6 per doz. net.

(For Rheumatism and deep seated pains.)

Homocea Medical Soap, 9d. per tablet, or 1 Box of 3 tablets 2/-

Homocea Toilet Soap, 1/3 do. do. ... 3/-

,, Shaving Soap, 1/6 per tablet

All kinds less 25%.

TERMS:—For Orders of £30 and upwards 2½% prompt cash. If cheque accompanies order, 5% and Carriage Paid. Less quantities strictly net. Yours truly,

THE HOMOCEA AND HIPPACEA CO.

J. ROBBINS & Co. 147 OXFORD ST.

METHYLENE.

Obtained by the action of Metallic Zinc on Chloroform and Alcohol.

Discovered to be a general Anæsthetic by Sir BENJAMIN W. RICHARDSON in 1867.

1-lb. Stoppered Bottle, 12s.; ½-lb., 6s. 6d.; 4-oz., 3s. 6d.; 2-oz., 2s.

COMPOUND ANÆSTHETIC ETHER,

For producing Local Anæsthesia.

In 4-oz., 10-oz., and 20-oz. Stoppered Bottles, 2s., 4s., and 7s.

OZONIC ETHER,

In 2-oz., 4-oz., 8-oz., and 16-oz. Stoppered Bottles, 2s., 3s. 6d., 7s., and 12s.

PEROXIDE OF HYDROGEN,

First introduced as a Medicine by Sir BENJAMIN W. RICHARDSON.

ETHYLATE OF SODIUM

(Sir BENJAMIN W. RICHARDSON'S Formulæ), for removing Nævi, &c. In ½-oz. and 1-oz. Bottles, with elongated Stoppers for applying the Caustic, 2s 6d. & 4s.

STYPTIC COLLOID,

For promoting the Healing of Wounds by the first intention. In 2-oz. and 4-oz. Bottles, with Brush, 2s. 6d. and 4s. 6d.; 16-oz., 12s.

CHARCOAL CAPSULES,

Containing Pure Vegetable Ivory Charcoal. In Boxes, 2s. 6d. each.

J. ROBBINS & Co. OXFORD ST. 147

EXACT FACSIMILE

OF BOTTLE AND LABEL.

Artistic Show Cards and Printed Matter from

MACKENZIE'S CURE DEPOT, READING.

THE MOST

POPULAR REMEDY

OF THE DAY.

SELLS AT SIGHT.

Has the Largest Sale of any Smelling Bottle in the World.

Wherever introduced has become a general favourite, giving universal satisfaction to both buyer and seller, commanding an increasing sale through personal recommendation.

Bears a larger profit than a fancy bottle, without the trouble of filling.

It is the best-got-up Shilling Article in the market.

Correspondence solicited from pushing houses publishing Price Lists.

Wholesale from all Patent Medicine Depôts.

THE ASSOCIATION FOR THE SUPPLY OF PURE VACCINE LYMPH,

12 PALL MALL EAST, LONDON, S.W.

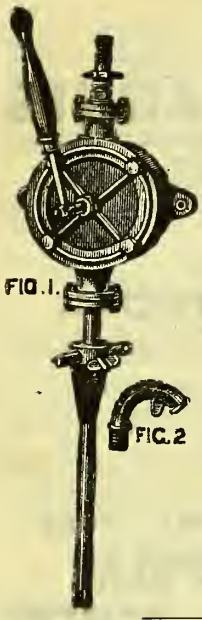
SOLE AGENTS FOR

DR. WARLOMONT'S CALF VACCINE.

Tubes, 2s. each. Half Tubes, 1s. each. Pomade in Vials, 5s.

HUMAN VACCINE (from healthy children only, microscopically examined and source quoted).—Tubes two-thirds full, 1*s.* 8*d.* each. Tubes one-third full, 1*s.* each. Tubes two-thirds full (same as those mentioned above, but without source), in quantities for export, £5 per 100 Tubes. Pin Points (uncharged), 1*s.* per dozen, Vaccine Ejectors, 1*s.* 3*d.* each, including postage.

Office hours, 10 to 4; Saturdays, 10 to 2. P.O.O.'s (including postage, and crossed "London and Westminster Bank") with orders, payable to EDWARD DARKE, Secretary.



BUY THE BEST

OIL PUMP

AND SAVE

OIL, TIME, MONEY.

THOUSANDS IN USE.

We have bought the Stock of these Pumps from

MESSRS. PONTIFEX & WOOD,

SHOE LANE, LONDON,

Who have given up this part of their business and it is our intention to continue same.

We hold a Good Stock, and can give Prompt Delivery.

Write for full particulars and prices of The "Farringdon" Patent Oil Pumps to

W. H. WILLCOX & CO.

34 & 36 Southwark Street,

LONDON. S.E.

PATENT PARCEL POST BOXES.

A Perfectly Cushioned Box, suitable for any description of

GLASS BOTTLES OR FANCY GOODS.

SPECIAL CUSHION, SILK LINED, for HIGH-CLASS GOODS.

LOOSE OR HINGED LID BOXES OR TUBES.

Set of 6 Hinged-lid Cushioned Boxes for Bottles 4 oz. to 16 oz., 1*s.* 3*d.*, post free.

Special set of 6 for Fancy Goods { Plain, 1*s.* 3*d.*, post free. Fancy, 2*s.* 6*d.* „

Quotations for quantities, Plain or Printed, per return post.

ORDERS PROMPTLY EXECUTED.

G. C. KIRTLEY, Printer and Box Maker,

3 Elswick Court, NEWCASTLE-ON-TYNE.

GARDNER'S PATENT

"RAPID" SIFTERS & MIXERS

Are now working in Almost Every Trade where DRY POWDERS are Sifted and Mixed and Lumps Reduced, all being done at one operation.

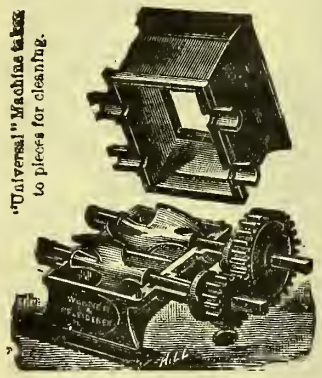
For Illustrations see the C. & D. Diary, 1895, *page* 351.

For HAND or POWER

Prices from 48/- to £90.

CATALOGUES FREE.

WM. GARDNER, Engineering Works, GLOUCESTER.



"Universal" Machine takes to pieces for cleaning.

Size 3, Type 1., for 1-lb. Mass.

THE "UNIVERSAL"

Kneading & Mixing Machine,

Used by all the largest Pill Makers.

SUITABLE ALSO FOR

OINTMENTS, POWDERS, AND MASSES of any Consistency.

PILL MASSING MACHINES.

PILL PIPERS, CUTTERS, ROUNDERS, COATERS, "SPIRAL BRUSH" POWDER-SIFTERS

(WITH INTERCHANGEABLE SIEVES),

AND EVERY ACCESSORY FOR THE PILL ROOM.

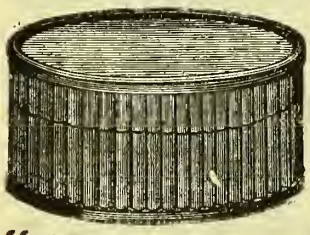
WERNER, PFLEIDERER & PERKINS (LIMITED),

43 Regent Square, GRAY'S INN ROAD, W.C.

SHOWROOMS:—117 QUEEN VICTORIA STREET, E.C.

Contractors to the War Offices of all the Great Powers & other Governments.

THE "STIPENDUM" STOPPER CO., LIM.



47 LAMB'S CONDUIT ST., LONDON, W.C.,

MANUFACTURE THE FOLLOWING SPECIALITIES—

"STIPENDUM" CORK STOPPERS, in all sizes.

"STIPENDUM" CORK-LINED CAPS, for Pomade Bottles.

"STIPENDUM" OPENERS, for Stoppered Aerated-water Bottles.

"STIPENDUM" GREASE-PROOF COVERED POTS,

IN TERRA COTTA, CHOCOLATE, AND BLACK.

The Grease-Proof Covered Pots have perfectly-fitting lids, are practically unbreakable and the only articles really answering the purpose intended.

To be had of all Druggists' Sundriesmen. *Wholesale only of the Company.*

"LA SPECIALITE" SERIES

FEEDING BOTTLES

IN ATTRACTIVELY LABELLED

FOLDING CARD BOXES

(BOTTLES & BOXES WITHOUT MANUFACTURERS' NAME).

SCREW GLASS STOPPERS, BLACK SEAMLESS TEATS.

With 7½ Best Quality Black Rubber Tubes.

No. 65.—White Glass Bottle, White Glazed Earthenware Unions, no Brushes... ...	39/-	PER GROSS NET, LONDON.
„ 66.—Green „ „ „ „ „	37/-	
„ 67.—White „ WHITE Glass Unions, no Brushes	40/-	
„ 68.—Green „ „ „ „	38/-	

IF WITH TWO BRUSHES 4/- PER GROSS EXTRA.

HAND-MADE SHOP-ROUNDS.

WHITE FLINT GLASS.

Sizes	4-oz.	6-oz.	10-oz.	16-oz.	20-oz.	32-oz.	40-oz.	
Plain	1/3	1/7	2/-	2/6	3/-	3/8	4/6	PER DOZ. NET, LONDON.
Narrow Stoppered ...	2/-	2/5	3/6	4/-	4/9	5/3	6/-	
Wide Stoppered	2/3	3/-	3/10	4/9	5/3	6/-	6/9	

ALL OTHER SIZES AT EQUALLY FAVOURABLE PRICES.

WHITE FLINT GLASS LIMES.

Sizes ...	1	1½	2	3	4	5	6	8	10	20 oz.	
Prices ...	3/6	4/-	4/9	5/9	6/6	7/6	7/6	9/-	12/6	21/-	PER GROSS NET, LONDON.

AMBER MALT EXTRACT BOTTLES (Wide Mouth).

Fluid Capacity ...	6½ oz.	10 oz.	12 oz.	
	11/6	15/6	17/6	PER GROSS NET, LONDON.

SEND FOR OUR PRICE LIST, ILLUSTRATED.

BREFFIT'S Ltd.,

83 UPPER THAMES STREET, LONDON.

Chemist and Druggist Bottle and Glassware Manufacturers.

R. H. BARRETT'S PATENT CAPPED BOTTLE

THE ONLY REALLY PERFECT BOTTLE FOR VASELINE, POMADES, DRY POWDERS, ETC.

NOTICE REDUCTION IN PRICES.

PRICES (in 5-gross Lots):—Fitted with STRONG METAL CAPS, CORK-LINED, in various colours, very attractive in appearance—1 oz., 10/6; 1½ oz., 11/-; 2 oz., 11/6; 3 oz., 13/6; 4 oz., 15/6 per gross. TALL SERIES.

CHEMISTS' AND PERFUMERS' BOTTLES IN GREAT VARIETY, PLAIN OR STOPPERED.

R. H. BARRETT,
FLINT GLASS BOTTLE WORKS,
THE OVAL, CAMBRIDGE HEATH, LONDON, E.
Telegraphic Address—"FOREFRONT LONDON."

SHOP BOTTLES & JARS

WITH VITRIFIED (burnt in) LABELS

(Black Letters on a ground of Pink or White Enamel).

Labels indestructible and of elegant appearance, forming an even surface with the glass or porcelain. The Jars of best porcelain, thoroughly greaseproof. The Bottles hand-made and of superior quality. Both are unsurpassed by anything in the market in every respect. Also a CHEAPER sort of Bottles and Jars, with labels equally indestructible, but very plain, especially suitable for Dispensaries, &c. Intending Buyers are requested to inspect Samples at

H. POTHS & CO., 4 CREECHURCH LANE, LEADENHALL STREET, E.C.

SEE OUR ADVERTISEMENT ON PAGE 5 (bottom folio) OF ISSUE OF MAY 13, 1893.

SPECIAL NOTICE TO THE TRADE

THE NORTH LONDON GLASS BOTTLE COMPANY
(I. ISAACS & CO., Proprietors)

Beg to state that they have removed to more extensive premises at the Midland Railway Goods Depot, St. Pancras. Office and Warehouse, 106 MIDLAND ROAD, ST. PANCRAS, LONDON, N.W., where please address to us for the future. We beg to call attention to the superior quality of the Bottles we are now making, and which we supply at the following low prices:—

The NEW SHAPE FLAT BOTTLES, with rounded edges, or the ordinary kind, plain or graduated—

3 and 4 ounce	.. .. ..	8 0 per gross.
6 „ 8 „	.. .. ..	9 0 „
10 „ 12 „	.. .. ..	12 0 „
16 „	.. .. ..	16 0 „

Oval, Octagon, or direct Square shape the same price.

Six gross and upwards, assorted or otherwise, are carriage paid to any address in England; smaller quantities not carriage paid.

Established upwards of 50 years at 25 Francis Street, Tottenham Court Road, London.

"NATIONAL" {Trade Mark.

RUBBER ADHESIVE PLASTER.

On Strong Cotton Cloth.

Will always *stick at once*, and *perfectly*, in any temperature, without warming.

In Tins containing { 7½ inches × 1 yard; 7½ „ × 6 „; 12 „ × 5 „ } and on Handsome Spools { ½ in., ¾ in., ⅞ in., 1 in. 1½ in., 2 in., and 3 in. wide.

MANUFACTURED BY
A. de St. DALMAS & CO., LEICESTER.

VINCENT WOOD'S

SURGICAL APPLIANCES.

THE LARGEST MAKER IN THE WORLD.

Suspenders, Belts, Bath Gloves, Trusses, Elastic Hosiery, Chest Expanding Braces, Protectors, Enemas, Bandages, &c.

Telegraphic Addresses—
"Acme London." "Elastic Nottingham."
ESTABLISHED 1840.

3 ST. ANDREW'S STREET, LONDON, E.C.
Steam Works—Nottingham, & Herne Hill, S.E.

DR. MARTIN'S PURE RUBBER BANDAGES.

Registered Trade Mark

For the Radical Cure of Varicose Veins, Ulcers, and other Diseases of the Leg.

CAUTION.—Please order *Genuine Martin's Bandages*, each being stamped with Dr. Martin's signature. All others are *Spurious Imitations.*

Complete Price List, Trade Discount, and Dr. Martin's Pamphlet post free.

PRICES.

No.		Feet	Inches	Each
3A.	Thin, for ankle, elbow, wrist, and forearm ..	6	2½	3/6
3.	Thick „ „ „ „ ..	6	2½	4/-
1B.	Thin, for leg below knee..	10½	3	5/6
1A.	Thick „ „	10½	3	7/6
8.	Thin, for leg and knee	14	3	7/6
7.	Thick „ „	14	3	9/6
9B.	Thin, for leg and thigh	21	3	10/6
9A.	Thick „ „	21	3	13/6

Sole Agents—**KROHNE & SESEMANN, SURGICAL INSTRUMENT MAKERS,**
8 DUKE ST., MANCHESTER SQUARE, LONDON, W.

AUTUMNAL & WINTER LINES.

TINS.

Per Gross.

1d. Ointment ..	1/9
1d. Vaseline ..	1/11
2d. Ointment ..	2/2
2d. Vaseline ..	2/4

These are Silver Colour.
Special prices for large lots.

THER-MOMETERS.

Clinical .. each 2/-
" per doz. 21/-
" super. " 30/-
Bath, Small Wood per doz. 7/-
" Larger " 10/-
" Tin Case (cheap) per doz. 7/-

PAPYROLES.

6d. 8d. 9d. 1/-
3/6 4/- 6/- 7/6

ALKARAM.

2/-, per doz. 17/-

PUFF BOXES.

Per doz.

6d. China	4/-
1/- "	8/-

COMBS.

Per doz.
New Spiral (Metal) 6/-
Retails 1/-
Quite a new line.

CHEST PROTECTORS.

Scarlet Felt.
Best quality, Single—

Nos.					
1	2	3	4	5	6
5/9	8/-	9/6	11/6	15/6	21/6

Best quality, Double—
13/ 17/6 21/6 27/ 36/ 43/
Cheaper quality obtained to order with but little delay.

NIAGARA MILLS TOILET PAPER.

1/6 Retail, per doz. 9/-

IMPERIAL LAVENDER SMELLING SALTS.

6d., per doz. 4/-

RESPIRATORS.

1/- 1/6 2/- 2/6 3/6
7/6 10/- 14/- 17/- 27/-

BRONCHITIS KETTLES.

	Small	Large
Round..	1/2	1/8
Oval ..	1/9	2/-

LIP SALVES.

1d. .. per gross 7/6
6d. Floral, per doz. 2/-

COTTON WOOL.

1/- and 1/3 lb.
Ditto Absorbent—
1/-, 1/4, 1/6 lb.
Lint, 1/3, 1/8, 2/8 lb.

CEYLON TEA.

In Air-tight Lead Packets.
Retail 1/10, per lb. 1/60
" 2/4, " 1/1
" 2/6, " 2/-

FRANCIS NEWBERY & SONS
DRUGGISTS' SUNDRIESMEN,
1 & 3 KING EDWARD STREET, LONDON.

SHIRLEY'S CORNER!

"LUMINOUS" SCENTS

QUITE NEW.

The Card when exposed to the Light shows all manner of Colours.

ORDER AT ONCE.

Make your Windows look Pretty!

It is necessary nowadays to have a Novelty.

A CHARMING LINE!

2/- dozen.
6 dozen lots, 1/10.

3d. FLAVOURING ESSENCES, on card. 1/10 dozen. Good quality. Sell themselves!

No. 21R. SOOTHERS, on Head Card. One of the best ever introduced. 2/10 dozen. Fitted with rubber ring and seamless teat.

Can be had assorted, with bone rings, if desired, 2/9 *dozen*

SHIRLEY BROS., 105-7 WHITECROSS ST., E.C.

LAMBS' TEATS.

White Rubber ... ... per doz. 2/-
Black Rubber ... ... per doz. 2/6
White Rubber, Moulded Plug ... ... per doz. 2/6
White Rubber, Moulded Plug, new style ... per doz. 3/3
White Rubber, fitted Boxwood Shield and Cork ... per doz. 5/6

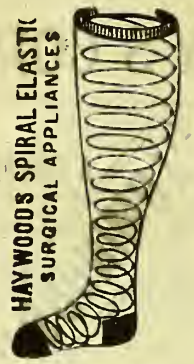
BARCLAY & SONS, LTD., 95 FARRINGDON STREET.

"MAZELLA" TOILET ROLL

Per **24/-** Gross

THE BRITISH P. P. PAPER CO., BANNER ST., GOLDEN LANE, E.

Adjustable Stocking (Patent.)



(*Seamless.*) Patent.

A GOOD PROFIT MAY BE MADE BY SELLING

HAYWOOD'S PATENT SPIRAL SEAMLESS SURGICAL ELASTIC ASEPTIC STOCKINGS,

&c. SOLID or ADJUSTABLE.

They are made on an entirely different principle to those *hitherto sold.* The India-rubber Thread, woven in one continuous length, adapts itself to the shape of the limb, and gives equal pressure throughout.

There are no *seams* or *binding* to *irritate* the limb. They are made in *healthy workshops*, and each article is thoroughly *disinfected* (by which all morbific agents are killed) and packed in Air-proof Wrappers before being sent out.

Manufactured in SILK, WOOL, THREAD, and COTTON—Fine, Medium, and Stout Qualities.

REGULARITY IN SIZE GUARANTEED.

Handbook of my Manufactures will be forwarded to any Surgical Instrument Maker or Chemist free

SCIENTIFIC UNDERCLOTHING.

The New DUAL Chest and Back Protector, Belt, &c.

Before ordering Winter Goods, write for Lists and descriptions of this New Article.

Hot Water Bottles and Covers, Respirators, Inhalers, Bronchitis Kettles, Throat Sprays, Waterproof Coats, Cloaks and Driving Aprons, Footballs, Shin Guards, and Athletic Appliances, Druggists' Sundries, Invalid and Nursery Appliances, &c.

MANUFACTURER AND PATENTEE—

J. H. HAYWOOD. *Surgical, Electrical, Athletic, and Veterinary Appliance Manufacturer.* **CASTLE GATE, NOTTINGHAM**

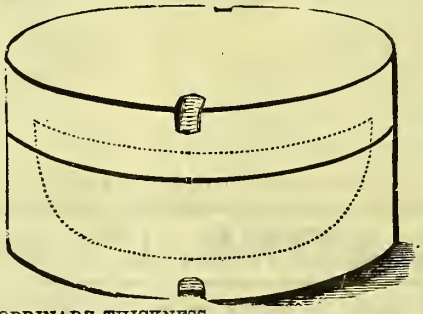
WILLIAM TOOGOOD.

TOOGOOD'S

IMPROVED PATENT

EARTHENWARE COVERED POTS

Are claimed to be the most perfect and convenient yet offered to the Trade.



Owing to the increasing demand for our Patent Pots, we have introduced a Special THIN Series for Dispensing.

These Pots are beautifully glazed and finished, and, being very light, are specially adapted for sending by post.

	1 dr.	2 dr.	½	¾	1	1½	2	3	4	6	8 ounces.
ORDINARY THICKNESS—	1/6	1/6	1/6	1/8	1/10	2/-	2/3	2/10	3/6	4/6	5/6 per doz
THIN FOR DISPENSING—	½	¾	1	1½	2	3	4	6	8 ounces.		
	1/7	1/9	2/-	2/2	2/5	3/-	4/-	5/-	6/- per doz.		

TOOGOOD'S DISPENSING BOTTLES
TOOGOOD'S PERFUMERY BOTTLES
TOOGOOD'S MEASURES
TOOGOOD'S DRUGGISTS' SUNDRIES

ILLUSTRATED PRICE LIST FORWARDED POST FREE ON APPLICATION.

BURLINGTON BUILDINGS, HEDDON ST., REGENT STREET, LONDON, W.

ESTABLISHED 1847.

WILLIAM MATHER, Ltd.

PROPRIETORS OF THE

ROYAL BALSAMIC PLAISTERS

As supplied to the Army and Navy at Scutari Hospital.

Manufacturers of Medicinal, Adhesive, Bunion, Corn, Court, Kid, Mustard Spice, Spread, Pharmaceutical, and Surgical

PLAISTERS

Of every description, in the most approved form.

SPECIALITY:—PHARMACOPŒIA & SURGICAL PLAISTERS IN

INDIARUBBER COMBINATION, Porous & Plain Spread.

In order to meet the largely increased demand for our Rubber Combination Plaisters, new and additional machinery (Calender process) has been laid down, and we now possess every facility for the production of Perfect Plaisters, and are in a position to execute orders without delay.

LEADING LINES IN POROUS PLAISTERS :—

BELLADONNA, STRENGTHENING, & CAPSICUM.

Price 24/- per gross. Subject to discount, as per List.
Customers may have their names and addresses printed on the wrappers and back cloths, free of charge, by ordering one gross, **which may be assorted** Printing done on the premises, thus avoiding delay.
The above Plaisters, in yard rolls, 7 inches wide, each yard in enamelled metal box, 14/- per dozen yards.
☞ **To avoid disappointment, order Mather's make from your Wholesale House.**

RUBBER PLAISTERS ON RED CANTON FLANNEL, POROUS AND PLAIN.

These Plaisters are much superior to those spread on Felt, and are now in increased demand.
Price, 5¼ by 9¼ inches ... ... Belladonna, 4/-; Strengthening, 2/8 per dozen.
Also made in all other Sizes and Shapes as Leather Plaisters.

SURGEONS' RUBBER ADHESIVE

In 1 yard rolls, each yard in enamelled metal box... ... ... 14/- per dozen yards.

On metal spools, 10 yards on each ... ...

Width	½	1	1½	2	2½	3 inches.
Price	10/-	14/-	20/-	23/-	28/-	31/- per doz.

WHITE FELT INDIARUBBER CORN AND BUNION PLAISTERS

No Warming or Wetting required. A great improvement over the ordinary Corn Plaisters.

PRICES.—Corn Plaisters, Thick, 2/-; Thin, 1/6 per gross. Bunion Plaisters, Thick, 4/6; Thin, 3/4 per gross. In gross boxes.
Indiarubber Corn Plaisters, in boxes also, each containing 1 dozen Plaisters ... Thick, 3/-; Thin, 2/6 per dozen boxes.
Indiarubber Bunion Plaisters, in boxes, each containing 6 Plaisters... ... ... Thick, 3/6; Thin, 2/9 ,,

MUSTARD PLAISTERS.

On cloth, 10 in a flat decorated metal box, 1/6 size	10/- per dozen boxes.
,, 6 in a fancy envelope, 1/- size	6/- ,, ,,
,, 3 ,, ,, 6*d.* ,, ...	3/- ,, ,,
Yard rolls, 6 in. wide, in round decorated boxes	10/- ,, ,, boxes.
Half-yard ,, ,, ,, ,, ,, ...	6/- ,, ,, ,,
On paper, Penny size, each in fancy envelopes	7/- per gross.
Also in enamelled tin boxes containing 100 envelopes	60/- per dozen boxes.
10 leaves in a flat decorated box	7/- ,, ,, ,,
Spice Plaisters, Penny size, in envelopes	7/- per gross.

☞ **SEND FOR NEW PRICE LIST.** **SAMPLES ON APPLICATION.**

WILLIAM MATHER, Ltd., Dyer St., Hulme, MANCHESTER.

London Wholesale and Export Agents—Messrs. MACE & HALDANE, 94 Milton Street E.C.

CARD SPACES.

FOR TERMS APPLY TO THE PUBLISHER.

Invaluable for Cyclists, Footballers, Golfers,

RYPONA

For Rheumatism, Lumbago, Sciatica, Sprains, &c.; also for Cuts, Wounds, Boils, and Skin Affections.
Of all Chemists and Patent Medicine Vendors—
LINIMENT, 1/9; OINTMENT, 7½d.
Wholesale of

Athletes, and anyone liable to a Chill.

J. SANGER & SONS, 2 Winsley Street, Oxford Street, **LONDON, W.**

See page 46 (bottom folio) of "The Chemist and Druggist," December 1, 1894.

PRECIPITATED CHALK, WHITEST & PUREST.

CHEAPEST SELLERS IN THE MARKET.

ALSO CHEMICALS, DRUGS AND OILS.

APPLY TO

AUG. LEVERMORE & CO., 8 LIME STREET, LONDON, E.C.

CRETA BRAND G W N **PRÆCIP.**

Much Lighter and Finer than any other in the Market.

Prices and Samples on application to SOLE AGENTS—

H. E. Stevenson & Co.,

130 *Southwark Street, LONDON, S.E*

FLETCHERS' HYDROBROMATES.

Sole Manufacturers—

Fletcher, Fletcher and Co.,

North London Chemical Works,

HOLLOWAY, LONDON, N.

THE "MORSTADT" **Cachets**

Are the most digestible, flexible, and elegant in the market, and are fast replacing all competitors. The Cachets are made to hold from 3 to 18½ grains Quinine or Salicylic Acid.
MORSTADT" CACHET CLOSING APPARATUS, to easily and speedily close 12 Cachets at one operation, from 12/- to 30/-.
SMALL APPARATUS, to fill and close 1 Cachet at a time, from 2/6 to 6/6.

THOMAS CHRISTY & CO., 25 Lime Street, LONDON, E.C.

NESS & COMPANY, DARLINGTON,

SPECIALISTS IN

SHEEP DIPS (Fluid, Paste, Powder) and **DISINFECTANTS**

Highest Award World's Fair, Chicago, and Four Gold Medals.

WRITE FOR PARTICULARS AND SAMPLES

JUNE'S HEALTH BATH SALT.

A new refreshing and invigorating preparation which meets with a ready sale wherever introduced.

GOOD PROFIT GUARANTEED.

WRITE FOR SAMPLES & TERMS.

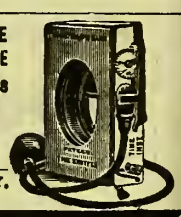
LANDOR, ANDERSON & CO., 165 FENCHURCH STREET, E.C.

THORNTON-PICKARD CATALOGUE POST FREE

ARE THE **SIMPLEST & BEST.** Time & Instantaneous **SHUTTERS**

LARGEST SALE IN THE WORLD

Time & Inst., from 18/6; Snap Shot, from 10/-; Focal Plane, from 35/-



THE THORNTON-PICKARD M'F'G COMPANY, ALTRINCHAM, NEAR MANCHESTER.

VINT'S PATENT

3/6 & 6/6 doz.

MENTHOL WHICH **WON'T BREAK OFF.**

See page 99 in Diary.

E. H. THIELLAY'S (Registered 1867)

EUCALYPTIA.

From "Eucalyptus Globulus." An authentic regenerator of the hair, instantly stopping its falling off, and is invaluable for hairdressing; a safeguard in epidemic times, protectingly surrounding the respiratory functions from malarious and vitiated emanations. In Bottles at 2/6, 3/6, 4/6, 7/-, 10/-, &c.
All Wholesale Houses, or direct from

E. H. THIELLAY.

Parfumeur-Chimiste, Amersham Park, New Cross, LONDON.
(SHOW ROOMS AT CHARING CROSS HOTEL.) [3]

FRED.K. FINK & CO.

10 & 11 MINCING LANE, LONDON, E.C. [1]

SPECIALITIES: Glycerine — Gum Arabic — Gum Tragacanth—Pure Beeswax—Honey.

PHILLIPS & CO., L.D.

Wholesale and Manufacturing Chemists and Exporters of Indian Drugs,

BOMBAY,

Have special facilities for the Collection and Shipment, at favourable rates, of all Indian Medicinal Products.

LONDON OFFICE—16 FINSBURY CIRCUS, E.C.
CORRESPONDENCE INVITED.

Yanatas

THE ABSOLUTE PREVENTATIVE OF SEA SICKNESS.

Wholesale Agents—**DAKIN BROTHERS,** 87A Leadenhall St., **LONDON.**

GLENDENNING'S

BEEF AND MALT WINE.

THE FINEST PREPARATION OF THE KIND IN THE MARKET.

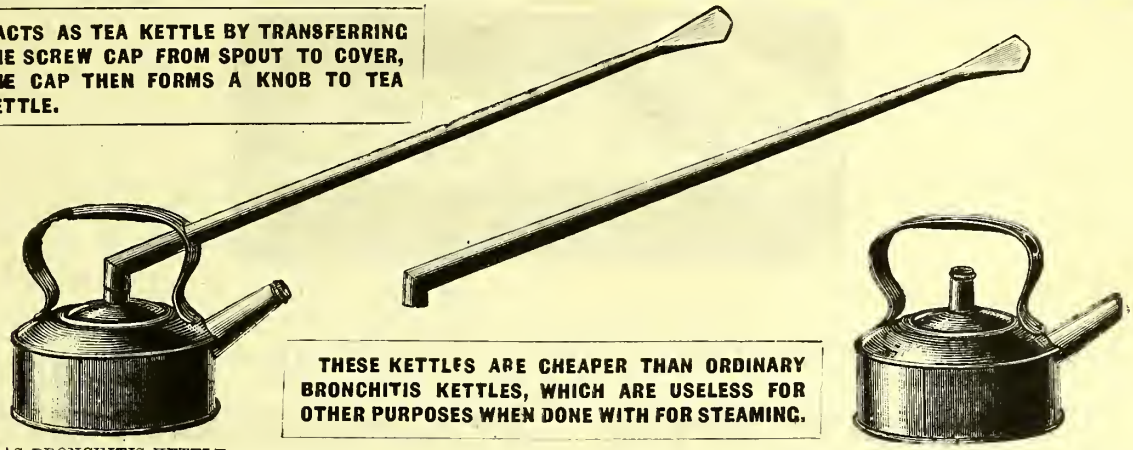
Prices and terms on application. Agents appointed.

W. GLENDENNING & SONS, Importers of Special Wines for Invalids,
9 GRAINGER STREET, NEWCASTLE-ON-TYNE.
Established 1867.

NEW COMBINATION

BRONCHITIS & TEA KETTLE

ACTS AS TEA KETTLE BY TRANSFERRING THE SCREW CAP FROM SPOUT TO COVER, THE CAP THEN FORMS A KNOB TO TEA KETTLE.



THESE KETTLES ARE CHEAPER THAN ORDINARY BRONCHITIS KETTLES, WHICH ARE USELESS FOR OTHER PURPOSES WHEN DONE WITH FOR STEAMING.

AS BRONCHITIS KETTLE. AS TEA KETTLE.

There has long been room for improvement in connection with the ordinary bronchitis kettle. Hitherto the trouble with the thing has been that once it has done its duty by steaming away in the sick room, there is no further use for it in a healthy household. Consequently the bronchitis kettle sinks into idleness, for it is not to be expected that anyone would cultivate a continuous growth of chest complaints, just to keep it employed.

PRICES.

ROUND, 2-qt.	16/6 per dozen.	OVAL, 2-qt.	20/6 per dozen.
„ 3-qt.	20/6 „	„ 3-qt.	24/6 „

Wholesale of Messrs. BARCLAY & SONS, LYNCH & CO., NEWBERY & SONS, London; AYRTON & SAUNDERS, Liverpool; and all Druggists' Sundrymen, or of the Makers—

G. ANDREWS & CO., 180 HIGH STREET, WALTHAMSTOW.

DRUGGISTS' SUNDRIES AND PATENT MEDICINES.

Chemists are invited to apply for our illustrated

CATALOGUE

POST FREE ON APPLICATION.

THE CHEMISTS' ASSOCIATION, LTD., CURTAIN ROAD, E.C.

ESCHMANN BROS. & WALSH.

Inventors and Manufacturers of the

SOFT SILK FLEXIBLE CATHETER, GUARANTEED WITH WOVEN EYES.

To be had of all Surgical Instrument Makers and Wholesale Houses.

To be had of all Surgical Instrument Makers and Wholesale Houses

W. SUTTON & CO.,

76 CHISWELL STREET (late 10 Bow Churchyard), LONDON,

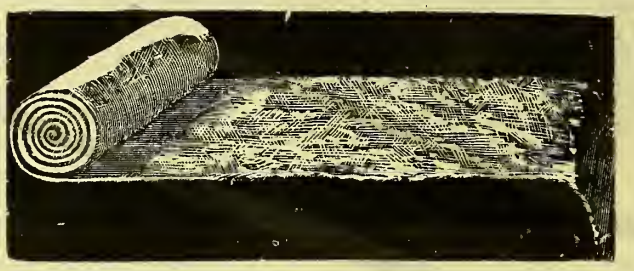
SOLE MAKERS OF THE

ORIGINAL BATEMAN'S DROPS & DAFFY'S ELIXIR.

Proprietary Medicines, Perfumery, Mineral Waters, Lozenges, Druggists' and Photographic Sundries.

PRICE LIST FREE ON APPLICATION.

JOHNSON & JOHNSON'S
ABSORBENT COTTON WOOL.



Rolled with Tissue Paper between to prevent felting. AS EASILY APPLIED AS A CLOTH BANDAGE.

Sold in Cartons containing 1 oz., 2 oz., 4 oz., 8 oz., 16 oz.

Also Antisepticised with Carbolic, Boric, Corr. Subl., Iodoform, Salicylic, &c.

MUSTARD PLASTERS.

By our new process of manufacture we have overcome the great fault of ready-made **MUSTARD PLASTERS,** viz.:—Decomposition by age, and consequent inertness. Our Mustard Leaves are the Strongest and Best, will give **PERFECT SATISFACTION** to your customers, and are the most profitable to you.

AN IMPROVED CANTHARIDAL PLASTER

The only perfect Vesicant. Vesicates in half the time of other Vesicants. Is easily applied. Does not become inert with age.

PAINLESS. PROMPT. CERTAIN.

IMPROVED
BELLADONNA PLASTERS
(WITH BORACIC ACID).

INCREASED ACTION.

We have succeeded in greatly increasing the therapeutic value of Belladonna Plasters.

FIRSTLY.—By preparing the mass in a manner calculated to promote a more rapid absorption of the incorporated drug.

SECONDLY.—By employing a more reliable extract of the drug than is commonly used.

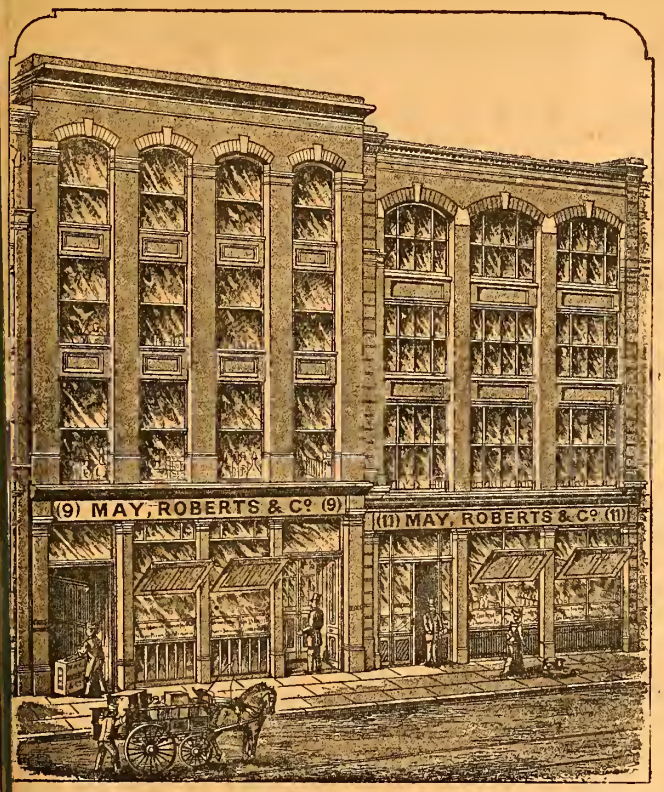
THIRDLY.—By the addition of Boracic Acid and a mild rubefacient, by which the activity of the cutaneous glands is stimulated, and their power of absorption increased.

Samples to any Physician's or Chemist's address on application.

Specify JOHNSON & JOHNSON.

JOHNSON & JOHNSON, 12A LONG LANE, LONDON, E.C.

When ordering care should be taken to specify JOHNSON & JOHNSON'S Manufacture.



REVISED JANUARY, 1895.

ILLUSTRATED PRICE LIST,

ISSUED HALF-YEARLY.

NO TRAVELLERS!

Their Expenses Given to Buyers.

DRUGGISTS' SUNDRIES.

PACKED

DRUGS & PERFUMERY.

PATENT MEDICINES.

SPECIAL QUOTATIONS FOR QUANTITIES.

List sent Post Free on receipt of Business Card.

TERMS ON APPLICATION.

☞ COMPARE THE PRICES. SEND SAMPLE ORDER.

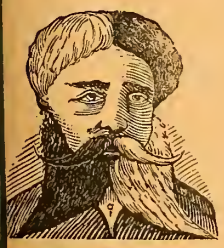
DUTCH DROPS (GENUINE),

AS IMPORTED FROM HOLLAND.

WHOLESALE AND EXPORT TRADE TERMS ON APPLICATION.

MAY, ROBERTS & CO., Sole Consignees, 9 & 11 Clerkenwell Road, LONDON, E.C.

SEEGER'S HAIR DYE.



MAY, ROBERTS & CO. *have been appointed Special Agents for the above celebrated single-fluid Hair Dye.*

Retail	2/-	Less than 1 dozen	14/6
,,	2/-	Not less than 1 dozen	14/-
,,	2/-	Not less than 12 dozen	12/11

MAY, ROBERTS & CO., 9 Clerkenwell Road, **LONDON.**

NOTICE OF REMOVAL.

THE APOLLINARIS COMPANY, LIMITED,

Beg to announce that on and after the 1st NOVEMBER, 1894, their address will be

4 STRATFORD PLACE, OXFORD STREET, LONDON, W.

Cadbury's Cocoa

ABSOLUTELY PURE therefore **BEST.**

Cadbury's is "The Typical Cocoa of English Manufacture, **Absolutely Pure.**"—*The Analyst.*

NO CHEMICALS USED IN CADBURY'S AS IN THE SO-CALLED PURE FOREIGN COCOAS.

EASY TEETHING.

DO NOT LET YOUR CHILD DIE!

Fennings' Children's Powders Prevent Convulsions; are Cooling and Soothing.

FENNINGS' CHILDREN'S POWDERS.

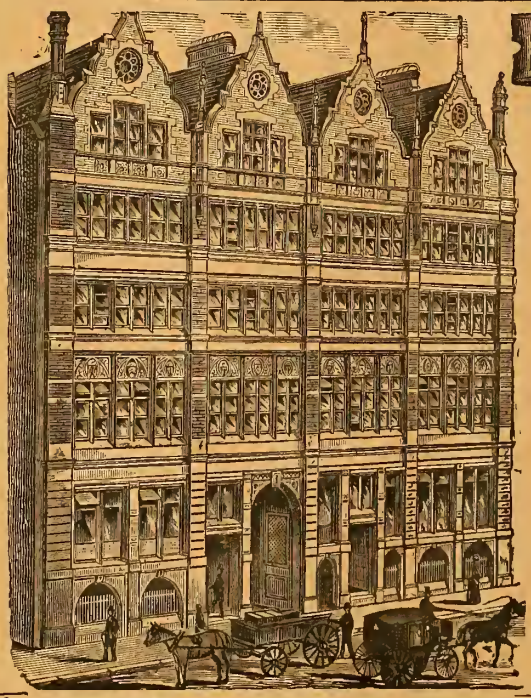
For Children Cutting their Teeth, to Prevent Convulsions.

Sold in Stamped Boxes, at 1*s.* 1½*d.* and 2*s.* 9*d.* (great saving), with full Directions.

Do not contain Calomel, Opium, Morphia, nor anything injurious to a tender babe.

Chemists, by applying to the Patent Medicine Houses and Wholesale Chemists, can obtain, free of any charge, a supply of "FENNINGS' EVERY MOTHER'S BOOK," for Counter distribution.

SAFE TEETHING.



S. MAW, SON & THOMPSON'S

QUARTERLY

Price Current

AND

BOOK OF ILLUSTRATIONS

CONTAINING NEARLY

5,000 ENGRAVINGS

OF

SURGEONS' INSTRUMENTS

AND

DRUGGISTS' SUNDRIES

OF ALL KINDS

MAY BE HAD ON APPLICATION ENCLOSING BUSINESS CARD.

Forwarded Post Free to all parts of the World.

S. MAW, SON & THOMPSON

7 to 12 ALDERSGATE STREET, LONDON E.C.

Printed by SPOTTISWOODE & Co., New-street Square; and Published at the Office, 42 Cannon Street, in the City of London.—*January* 12, 1895.

The Chemist & Druggist SUPPLEMENT.

Businesses Wanted
Businesses for Disposal
Premises to Let
Auction Sales

SATURDAY, JANUARY 12, 1895

Partnerships
Situations Vacant
Situations Wanted
Miscellaneous

A Copy of this Supplement is inserted in every number issued of "The Chemist and Druggist."

THE CIRCULATION OF THIS SUPPLEMENT THIS WEEK EXCEEDS 14,600.

CHEMISTS' TRANSFERS.

MESSRS. ORRIDGE & CO., 32 LUDGATE HILL, E.C.

CHEMISTS' TRANSFER AGENTS,

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

The business conducted by Messrs. ORRIDGE & Co. has been known as a Transfer Agency since the year 1846, and is well known to all the leading firms in the Trade. VENDORS have the advantage of obtaining an opinion on value derived from extensive experience, and are in most cases enabled to avoid an infinity of trouble by making a selection from a list of applicants for purchase, with the view of submitting confidential particulars to those alone who are most likely to possess business qualifications and adequate means for investment. PURCHASERS who desire early information regarding eligible opportunities for entering business will greatly facilitate their object by describing clearly the class of connection they wish to obtain.

1.—**£1,300.—LONDON, S.**—Wholesale Business; very profitable select trade; established many years; returns about £1,300 yearly; *profit* 25 *per cent. net*; the business can be greatly increased: very good premises both for business and residential purposes; about £1,000 required.

2.—**£830.—SURREY.**—Retail, Prescribing, and Dispensing Business; returns average about £830 yearly; *gross profit* 50 *per cent.*; the shop has a single front and is well fitted; convenient house, long lease; about £700 required.

3.—**£700.—LONDON** (South of Thames).—Dispensing and Retail Business; busy thoroughfare; capital position; returns about £700 yearly, can be largely increased by pushing man; price about £600.

4.—**£800.—LONDON** (Eastern suburb).—Good-class Business, situate in main, populous thoroughfare; capital position; returns between £700 and £800 yearly; double-fronted well-fitted shop; ample stock; convenient 6-roomed house; about £600 required.

5.—**£600.—LONDON, N.W.**—Dispensing and Retail Business; chiefly ready money; returns £600 yearly; well-fitted shop; single-fronted; convenient house; rent very moderate; held on lease; price £450, or offer.

6.—**£450.—LONDON** (South).—Small Retail and Prescribing Business; returns between £8 and £10 per week; must be sold; payments will be received by divided payments if required; good opening for a young man.

7.—**£750.—LONDON, N.E.**—Middle-class Retail and Prescribing Business; well established; returns present rate nearly £750 yearly, *gross profit over* 50 *per cent.*; nicely-fitted shop, convenient house, on lease; about £400 required; vendor has held the business over 20 years, and is now retiring on account of ill-health.

8.—**£1,800.—AUSTRALIA.**—Good-class Dispensing and Retail Business, situate in one of the finest cities; returns £1 800 yearly, *very profitable*; the particulars of the business will be furnished on application London references to be exchanged; about £1,200 required.

9.—**£800.—SOUTH COAST.**—Fashionable health resort; good-class Dispensing and Retail Business; position good; returns present rate £800 nearly; double-fronted nicely-fitted shop with good stock; very good house, held on lease; about £600 required.

10.—**£600.—BIRMINGHAM.**—Death vacancy; Cash Retail and Prescribing Business, established many years; returns £600 yearly; double-fronted shop, nicely fitted: about £300 required, or valuation only; the business has been neglected; good opening for an energetic man.

11.—**£500.—LIVERPOOL.**—Light Retail and Dispensing Business; position good, corner shop: returns between £400 and £500 yearly; *net profit about* £150 *per annum*; price £200 to an immediate purchaser.

12.—**£500.—LINCOLNSHIRE.**—Old-established Business, situate in a good-sized market town; returns have been £500 to £600 yearly; vendor has held the business over 20 years, and is now retiring on account of ill-health; about £200 only required, or valuation if preferred.

13.—**£1,500.—NORFOLK.**—Very old-established good-class Mixed Business; large county connection; returns £1.500 yearly; handsomely-fitted shop; full investigation invited; valuation of stock and fixtures if desired, or lump sum about £1,200.

14.—**£350.—SURREY.**—Middle-class Retail and Prescribing Business, situate in a good position in a thriving town; returns £350 yearly, *net profit*, £150; house has 9 rooms, moderate rent; a good garden attached; about £225 required.

Particulars of any of the above will be furnished on application.

N.B.—NO CHARGE TO PURCHASERS.

Other Businesses, Town and Country. Particulars free on application. Personal applicants receive Messrs. O. & Co.'s direct attention and advice, where required, free.

TERMS FOR VALUATION ON APPLICATION. APPOINTMENTS BY POST OR WIRE HAVE IMMEDIATE ATTENTION

Messrs. ORRIDGE & Co. invite communications from COLONIAL and FOREIGN firms where business of a confidential nature requires the especial attention of a London Agent.

SPECIAL NOTICE.—Messrs. ORRIDGE & CO. have a large number of Businesses for Sale, suitable for Gentlemen with Small Capital, from £200 to £500.

ORRIDGE & CO., 32 Ludgate Hill, LONDON, E.C.

TENDERS.

3s. 6d. for 50 words; 6d. for every 10 words beyond.

JOHN ASLIN & CO., of 163 High Street, Sunderland, Chemists and Druggists.

TENDERS wanted for purchase of Stock-in-Trade, Fittings, Utensils, with or without Book Debts. Turnover of business for the year ending 30th ult. were Wholesale £700, Retail £900.

The premises may be seen any day up to the 14th of January, 1895, from 10 to 5; Book Debts small, mostly a Cash business.

Tenders to be sent to me here on or before 15th of January, endorsed "Tender, *re* Aslin."

Arrangements are made with landlord to let to a suitable tenant, who will carry on the Chemist's business, at a rent to be agreed on, not exceeding £50.

The highest or any Tender will not necessarily be accepted.

JAS. A. LONGDEN, Official Receiver in Bankruptcy, 25 John Street, Sunderland.

TENDERS—Cont.

IMPORTANT TO BUYERS.

THE last of Mr. J. Routhy's Businesses in Eastbourne, situated at 83 South Street, is offered for Sale by Tender. The owner is giving up the Retail. This Business, which has been established about 3 years, is beautifully situated, being in the most attractive and desirable part of the town. House is large and healthy, and the premises particularly suitable for carrying on either a high-class Dispensing Business or a large and extensive Store trade.

Tenders will be opened on the 25th instant, by W. H. Burt, Esq., Solicitor, Terminus Chambers, Eastbourne, to whom all applications for particulars should be made. Every facility will be given by the Vendor to intending purchasers desirous of inspecting books or seeking any information; but no notice will be taken of any application which is not accompanied by a card or letter of introduction from a well-known Wholesale firm, unless the applicant be otherwise known, either to the Solicitor or Vendor. Principals only will be treated with. The Vendor will not be bound to accept the highest or any tender.

Dated, Terminus Chambers, Eastbourne, 1.2.95.

F. J. BRETT

Valuer, 60 St. Stephen's Road, LEICESTER.

References to principal London and Provincial Wholesale Houses, also to numerous clients throughout the United Kingdom.

BUSINESSES THOROUGHLY INVESTIGATED FOR BUYERS. 20 YEARS EXPERIENCE.

NO CHARGE TO BUYERS.

STOCKTAKING UNNECESSARY.—Stocktaking is always dreaded by Chemists, and with a competent Valuer is not necessary.

F. J. BRETT is prepared to estimate or to value entire stocks as they stand with little or no inconvenience to ordinary business, and has repeatedly done so with entire satisfaction to those adopting this mode.

STOCKS AND FIXTURES BOUGHT FOR CASH.

£11,000 returns; Wholesale, in Northern city, capable of great extension; well adapted for two; price about £2 500; net profit £1,100.
£600 returns; busy thoroughfare, Birmingham; valuation about £300.
£500 returns; pretty town, Monmouthshire; net profit £220; price £400.
£700 returns; good Yorkshire town; price £500.

BERDOE & CO.

CHEMISTS' TRANSFER AGENTS AND VALUERS,

30 JEWRY STREET, ALDGATE, E.C.

Established 1870.

SPECIAL NOTICE TO VENDORS.

VENDORS are particularly requested to note that in placing their Businesses in our hands for disposal they are not required to sign an agreement, whereby they may become liable to pay two commissions. Our forms for particulars (which have always remained the same) and terms may be had on application.

BUSINESSES WANTED.

NO CHARGE TO PURCHASERS.

1.—**NORTH OF ENGLAND.**—Light Retail and Dispensing Business; returns £2,000; net profit £500; good house; price £1,500, or valuation.

2.—**MIDLANDS.**—Old-established Country Retail and Prescribing trade; returns £1,800; good house; valuation about £900.

3.—**KENT.**—Good-class Retail and Prescribing Business; returns £675; net profit £270; good house; valuation terms arranged.

4.—**SURREY.**—Unopposed Light Retail and Prescribing; returns £320; rent £25; excellent house, garden; £175 or valuation.

5.—**DERBYSHIRE.**—Country Retail Dispensing and Prescribing Business; returns £1,100; net profit £250 after all expenses paid; price £600.

6.—**MANCHESTER.**—Light Retail and Prescribing Business; returns £450; rent £22; good house; price £225, or valuation.

7.—**MANCHESTER (near).**—Retail and Prescribing Business: returns £700, under management; rent £24; net profit £250; price £400.

8.—**LONDON, W.**—Main road: Retail and Prescribing Business; returns £1,200; net profit nearly £400: price £850.

9.—**LONDON SUBURB.**—Partnership offered in good Business, making a net profit of £500 yearly; price £625 half share.

10.—**MILE-END ROAD.**—Retail and Prescribing Business; returns £12 weekly; good house and garden; price £400, or offer.

VALUATIONS.

SPECIAL ATTENTION is paid to Valuations, which are personally conducted by a member of the firm, in any part of the United Kingdom. Our terms, which are moderate, may be had on application.

Berdoe & Co., 30 Jewry Street, Aldgate, E.C.

THOMAS TOMLINSON & SON

Chemists' Consultants, Investigators, Transfer Agents, and Valuers,

9 NEW CANNON ST., MANCHESTER.

FORTY-FOUR YEARS' EXPERIENCE.

BUSINESS WANTED.—Thomas Tomlinson & Son, having on their books an extensive list of gentlemen who have entrusted them with commissions to look up a good genuine Business, intending sellers can rely upon being at once with all despatch put into communication with bonâ-fide buyers without publicity and the annoyance of answering "curiosity" applications. **No charge made unless Sale is effected.**

INTENDING PURCHASERS will do well to call at our offices and place their names with us, with particulars as to requirements and capital at command, as, having an extensive list of Businesses for disposal, we are able to judge as to adaptability, and to furnish those only suitable. Applicants unable to see us may have our candid opinion by post, without any charge.

NO CHARGE TO PURCHASERS.

Telegraphic Address—"TOMTOM."

1895.

NOTICE OF REMOVAL.

MESSRS.

JUDD & MANNERS

(Successors to CROCKER & CO.),

TRADE VALUERS, TRANSFER AGENTS, AND ACCOUNTANTS

TO THE DRUG TRADE AND MEDICAL PROFESSION,

Take this opportunity to cordially thank their friends and the trade generally for the liberal support accorded to them during the period of their association with this Agency, and have great pleasure in notifying them that, owing to the increase of business, they have now removed to larger and more convenient offices at

76 CANNON STREET

(Adjoining CANNON STREET STATION),

LONDON, E.C.

SPECIAL NOTICE TO PURCHASERS.

Numbers 2, 3, 9, and 10 in our last week's list are now sold.

Numbers 4 and 7 are now under offer.

Particulars of several other reliable investments on application to Judd & Manners, as above.

SPECIAL NOTICE TO VENDORS.

The New Year has added very considerably to our purchasing *clientèle*; we therefore invite Vendors to send us full particulars of sound and reliable investments without delay.

Prompt and personal attention is given to all correspondence.

VALUATIONS PERSONALLY CONDUCTED.

JUDD & MANNERS,

76 CANNON STREET, E.C.

BUSINESSES FOR DISPOSAL.

3s. 6d. for 50 words; 6d. for every 10 words beyond.

CHEMIST and Druggist Business for Sale in the East-end of Glasgow; stock and fittings about £100. For particulars apply to Martin & Barrie, Writers, 97 Buchanan Street, Glasgow.

A CAPITAL Branch Business for disposal, situated in principal thoroughfare in thriving town in North of England; price £200. Apply, 67/31, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

A FIRST-CLASS Retail and Dispensing Business in a fashionable watering-place for sale; shop handsomely fitted by Treble; full prices obtained. For particulars, apply Henry Messenger, 77 Chancery Lane, London.

CHEMISTS.—For immediate disposal, a progressive Business near London; price £400; satisfactory reasons for disposal; convenient house; moderate rent. Address, S. W., Miss Atkinson, 40A King William Street, London Bridge.

LONDON, S.E.; main road; Retail and Prescribing; lease, low rent; returns under manager £283; price for cash £75, or valuation of stock and fixtures. H. B., Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

LONDON, N.E.—Light Retail and Dispensing; fair prices obtained; returns average £700; small house; 13 years' lease at moderate rental; incoming about £600. S., Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

LANCASHIRE.—In suburb of busy manufacturing town, a General Retail and Prescribing Business: no opposition; population over 4,000; taking £7; rent £13; price £250; this is worth attention. "Ferri," c/o Raimes & Co., York.

NEAR Liverpool, in a strictly residential neighbourhood, a first-class Business; handsome and well-fitted up; premises, on lease, at a moderate rent; capital required £1,200 to £1,400. Apply, "Chemicus," Evans, Sons & Co., 56 Hanover Street, Liverpool.

NEAR Nottingham.—For immediate Disposal, small business in growing neighbourhood; unopposed; good opening for energetic man; rent £20; incoming about £100; half could remain. 109/40, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

SOUTH LINCOLNSHIRE.—Population 2,000; no opposition; good house, shop, and garden; Prescribing and General Business, capable of large increase; rent £16; price £150, or valuation. Apply, R. W. Peach, Chemist, Donington, near Spalding.

£3,000.—Very old-established Mixed Business, making a net profit of nearly £1,000 yearly; valuation terms can be arranged if wished; full particulars on application. 68,86, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

FOR immediate disposal, in populous Liverpool district, good-class Dispensing Business; well stocked; elaborate fixtures; good house, rent £50; price £550; fixtures alone cost more than double. "Beta," c/o Messrs. Clay, Dod & Co., 52 St. Anne Street, Liverpool.

LIVERPOOL.—For immediate Sale, Family Dispensing and Prescribing Business; compact corner shop, with private house attached; excellent opportunity for young man with small capital; will sell for valuation of stock and fixtures (about £100). Address, W., 91 Myrtle Street.

HIGH-CLASS Retail Dispensing and Prescribing Business, in best position in large manufacturing town, averaging over £1,000 per year past five years; several good specialities; no heavy trade; price £800. Apply, 218/62, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

TO Chemists.—A neat, well-fitted shop, handsome fixtures (by Treble) will be sold a bargain; situated in good populous district, with good opening to Docks; has returned £15 weekly in good hands; low rent; inspection invited. Apply to "Glanteg," Plymouth Road, Penarth, near Cardiff.

GOOD-CLASS Dispensing Business in select residential suburb of a North of England city; returns average over £1,500; the profits, after paying all expenses, are quite £500 a year; will sell by valuation or accept lump sum, £1,400 cash. Apply, W. H., Messrs. Newbery & Son, 1 King Edward Street, E.C.

LONDON, S.W.—High-class Dispensing, Prescribing, and Family Chemist's Business for disposal; cutting not attempted; good prices obtained; returns over £600, showing a profit of over £300; rent £70 on lease; in present hands over 11 years; proprietor taking larger business; no agents; cash price £650. H., Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

TO Unqualified Men, Qualified Gentlemen commencing business, and Beginners.—Genuine Light Retail, Dispensing, Prescribing Business; Mixed, Foreign, or any heavy trade could be added with advantage; handsome double-fronted Pharmacy; well stocked; price £150; trial allowed to a bonâ-fide purchaser. Address, "Druggist," 135 Lawrence Hill, Bristol. N.B.—Would suit either non-registered or registered man.

£100 CASH will purchase Shop, Stock, and Fittings of a small Business, much neglected: immense scope for energetic man; improving neighbourhood. Apply, 311 Ladbroke Grove, W.

£50 Cash will secure a genuine little Business a few miles out, in a healthy part of Kent; returns £4 to £5 weekly, under management; no opposition; net rent £12; good house and garden; price £150; £100 can remain. 21/24, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

£100 for Light Retail and Prescribing Chemist's Business, in best position of a good market town; established 40 years; in present hands 8 years; proprietor retiring; a man who could push the business would double the returns; rent £32. Further particulars address, "Chemist," 20 High Street, Uxbridge.

MIDLAND County.—For immediate Sale, an old-established Business in a town of 10,000 inhabitants; returns over £1,000; good prices; best position; modern convenient house; low rent; price £650; no chance of stores coming, town too small. 69/96, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

£200.—**NEAR** London.—Retail and Prescribing Business; well stocked; main road; densely populated neighbourhood; returns £8 weekly; capable of great increase; Extracting; lease; moderate rent; sound reason for disposal; inspection invited. "Quinine," Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

PRESCRIBING Business in small country town, with little Veterinary and Tooth-extracting; managed entirely by proprietor; numerous proprietaries; mahogany fixtures, glass labels and knobs; returns £500; profit £220; rent £26; valuation. "Monmouth," c/o Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

FOR Sale (£200), Business in thickly-populated district; in present proprietor's hands over 30 years; returns for year just ending £300; no booking; would improve under personal management; single man could live on the premises; rent £19; proprietor retiring from the business; inspection invited. Apply, Wilkinson, Watson Street, Birkenhead.

£400.—Recently-established Business for disposal through unforeseen circumstances; situated in a rapidly-increasing suburb of London; returns, at present, £13 weekly, at excellent prices; chiefly Prescribing, and own proprietary articles; rent £40; good house. 10/10, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

£150 or valuation; old-established good-class Drug Business in country market town; returns about £400, with facility for increase, at good prices and few patents; good house main position, with garden and warehouse; immediate disposal, satisfactory reason; genuine bargain; inspection invited. "Chemicus," 15 Lowwood Road, Birkenhead.

LONDON Suburb.—Dispensing, Prescribing, and Retail Chemist's Business, prominently situated in busy thoroughfare, for disposal through ill-health: shop handsomely fitted; no cutting trade; good house, on lease, with private entrance; immediate purchaser liberally treated with. Letters only, Charles Baker, 3 Dynham Road, West Hampstead.

WHOLESALE Business for Sale; established 7 years; suit unqualified gentleman; returns last year over £1,300; could be largely increased by active man; roomy warehouse at low rental in centre of large town and industrial district; price £500 and valuation of stock; no agents. Apply, "Wholesale," Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

BUSINESSES WANTED.

3s. 6d. for 50 words; 6d. for every 10 words beyond.

WANTED to purchase, a good-class Chemist's Business, returning from £1,000 to £2,000 per annum, in London or first-class provincial town; no agents. Address, Arthur Bantick, 9 Clarendon Road, Stockwell.

WANTED, Country Business, returning about £600, or good-class Mixed village Business returning about £1,000, entertained; full investigation; no agents. "Lincoln," Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

GOOD-CLASS Business, returning from £1,200 to £1,500; small town preferred; no agents; prompt cash; references exchanged. "Honour," Messrs. Barron, Harvey & Co., Giltspur Street, London, E.C. N.B.—All replies treated confidentially.

WANTED, small Retail and Dispensing Business, Manchester or district preferred, with scope for increase; must bear strict investigation. State full particulars, in confidence, to B., Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

WANTED, a thoroughly reliable Business in a suburb of London or good provincial or market town, returning £1,000 to £2,000. Particulars received in strict confidence; must bear investigation. W. M., Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

WANTED, a good-class Retail, Dispensing, and Prescribing Business, capable of increase in the hands of a good Prescriber and Extractor; Devonshire or South-west of England preferred; good house and healthy situation. "Forceps," Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

WANTED, immediately, a sound Business within about 50 miles of London, and returning upwards of £800 a year; or a Partnership in a larger one where advertiser's knowledge of the preparation of medical specialities would be advantageous; capital up to £1,500. Apply, "Major," c/o Messrs. Meggeson & Co., 14 Miles Lane, E.C.

FOR SALE.

3s. 6d. for 50 words; 6d. for every 10 words beyond.

SHOW Jar, as Maw's fig. 1, 2 ft. 9 in. high, 14 in. diameter, on octagonal stand, perfect; 17 White Flint Jars, as Maw's Fig. D, 16 in. high, 8 in. diameter, unlabelled, gilt covers; Brass Scales, Maw's fig. 2; several years' old *C. & D.'s* and *Ph. Journals*; what offers? Frost & Harrison, Lee Green, S.E.

FOR Sale, 12 doz. gold-labelled shop-rounds, £6 8*s.*; 12 4-lb. pink jars, labelled, £2; 1 10-ft. range of 72 secondhand drawers, £4 10*s.*; 1 12-ft. range of mahogany ditto, with bevelled labels and cut-glass knobs, £9 10*s.*; 1 4-ft., newly new, mahogany dispensing-screen, £3 10*s.*; 2 8-gal. carboys, 17*s.* 6*d.* each; 4 6-gal. ditto, 15*s.* each; 4 4-gal. ditto, 11*s.* each; 8-ft. range of secondhand drawers, with glass labels and knobs, and lockers, £7; new plate-glass counter-case, 36 in. by 18 in., 35*s.*; new mahogany-top counter, 10 ft. long, £5; new pine-top ditto, 12 ft. long, £4 5*s.*; 6-ft. dispensing-screen with mirror centre, £5 15*s.* R. Tomlinson & Sons, Bond Street, Birmingham.

APPRENTICESHIPS.

3s. 6d. for 50 words; 6d. for every 10 words beyond.

APPRENTICE.—A smart, intelligent youth wanted; every opportunity of learning the business; indoors; moderate premium. H. E. Cocker, Pharmaceutical Chemist, Luton.

WANTED, an Apprentice in first-class Chemist's Business; good opportunities; comfortable home; premium required. F. Wimshurst, Pharmaceutical Chemist, Bexhill-on-Sea.

VACANCY for Apprentice in one of the most fashionable businesses in the Midlands; exceptional opportunity for gentlemanly youth to learn a high-class Dispensing business. 106/2, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

WANTED, gentlemanly well-educated Youth, as Apprentice; excellent facilities for learning all branches of the business, including Veterinary and Teeth-extraction; special hours for examination studies (with personal assistance), and for recreation; comfortable home; small premium required. F. E. Carpenter, The Pharmacies, Burnham, Somerset.

APPRENTICE.—An immediate vacancy in West-end house, where thorough knowledge of the business can be acquired under direct superintendence of Principal; comfortable home; time for recreation and study; assistance given with studies; premium; one who has passed Preliminary or equivalent preferred. Apply, by letter, to "Pharmacist," Barron, Harvey & Co., Giltspur Street, E.C.

SITUATIONS OPEN.

3s. 6d. for 50 words; 6d. for every 10 words beyond.

ASSISTANT, good Junior, as Dispenser; indoors; qualified. Apply, Munro & Co., 273 Regent Street, W.

QUALIFIED Assistant for good-class Dispensing and Retail. G. Lapthorn, Pharmacist, 79 Abbey Road, N.W.

WANTED an Assistant, accustomed to good-class business; qualified preferred. H. R. Adams, 22 Woolwich Common.

QUALIFIED Assistant; indoors; experienced man; capable of taking sole charge. Also good Junior. Rees, 98 Gray's Inn Road.

JUNIOR Assistant wanted, outdoors; must be well recommended. State salary and full particulars, Duck & Son, Drug Stores, Cardiff.

JUNIOR (indoors) Assistant, for Light Mixed Country trade. Send reference and photograph, stating height, Chas. M. Foottit, Marlow, Bucks.

BAD KISSINGEN.—Für Saison 1895; perfect Englisch sprechender Gehilfe gesucht. Hohes Salair. G. A. Boxberger's Apotheke, E. Kraft.

WANTED, Assistant well up in Laboratory work. Apply, with references and full particulars, to J. H. Inman & Co. (Limited), Newcastle-on-Tyne.

INDIA.—Competent Assistant wanted at once; Minor; aged about 26. Applications to Melville, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

WANTED, Manager; must be qualified and of good experience; mixed trade. Apply, with copies of latest testimonials, to Lea, c/o Evans, Sons & Co., Liverpool.

WANTED, immediately, for Mixed business, Junior Assistant. Apply, stating age, height, salary required, enclose photo (to be returned), Tremeer, Chemist, Barnstaple.

IMPROVER, at once, about 18 (indoors), for a Light Retail and Dispensing business; weekly half-holiday. Apply, with full particulars, to A. B. Higgs, Chemist, Gloucester.

JUNIOR Assistant.—Jones Bros. & Co., Holloway, N., require a smart, energetic man, about 22, for their Drug department; close at 4 o'clock Saturday; no Sunday duty.

ASSISTANT wanted, aged about 23; outdoors; must be strictly honest, sober, industrious, and trustworthy. Apply, Brooks' Drug Stores, corner High Street, Broadway, Deptford.

ASSISTANT; aged about 22; duties chiefly Dispensing; must be quick, neat, and accurate. Apply, with full particulars and carte (to be returned), to Sandwith & Clayton, Ascot, Berks.

JUNIOR Assistant wanted, aged about 20 (indoors); two kept. Apply, personally, or by letter, with photo. giving full particulars, to C. Coutts Michie, 175 Kentish Town Road, London, N.W.

IMMEDIATELY, or in about a month, a qualified and reliable Assistant, well experienced, desiring a permanency (indoors), would be liberally treated by Ralph Hall, 552 Kingsland Road, N.E.

MESSRS. W. GULLIVER & SONS, 6 Lower Belgrave Street, S.W., require a qualified Junior; state salary, with full particulars; a personal interview preferred; if not send photo (to be returned).

GOODS Receiver and Stockkeeper wanted at once; accustomed to Sundries, Patent Medicines; must be energetic and capable. Apply, by letter, to 21/68, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

RANDALL & SON, Southampton, require on February 1 a qualified Assistant for the Wholesale Counter; one who has had experience in high-class Retail preferred. State age, salary required, previous experience, &c.

WANTED, Junior, accustomed to Dispensing; one just out of his time not objected to; time for study. Apply personally, or enclose photo, with full particulars, to Mr. Peet, Chemist, Mount Pleasant, Liverpool.

WANTED, qualified Assistant (indoors), about 22 or 23, accustomed to good-class Dispensing; also vacancy for gentlemanly youth as Apprentice. E. Pettinger, 30 Rosslyn Hill, and 49 High Street, Hampstead, N.W.

EXPERIENCED, qualified Assistant, 25 to 30, for Light Retail and Dispensing; must be an accurate Dispenser, and well recommended; comfortable permanency to suitable man. Particulars to Gould, Chemist, Teddington.

WANTED, at once, a quick and reliable Dispenser for about two hours in the morning and two hours in the afternoon, daily. Apply, personally, any evening between 6 and 8 o'clock, to Doctor B., 43 Manor Road, Brockley, S.E.

WANTED at once, qualified Junior Assistant, outdoors; one accustomed to Wholesale trade preferred. Apply, with photo (to be returned), stating age, references, and salary required, to Wm. Hay, Limited, Chemist, Hull.

WANTED, indoor Assistant, qualified, about 22, in Light Retail and Dispensing business; dwelling house apart from business; must be used to Dispensing (not store). State age, salary required, and references, to T. Fox, Great Malvern.

WANTED, Assistant (indoors), first week in February; must be neat and accurate Dispenser. Apply, with full particulars as to experience, stating age, height, reference and salary, and, if possible, enclose photo. G. S. Ball, Pharmacist, Weston-super-Mare.

WANTED, for Calcutta, an Assistant with first-class experience; aged between 23 and 28; single; must have passed the Minor exam.; passage paid. Address, with full particulars of experience, &c., to "Chem.," Messrs. Deacon's, 154 Leadenhall Street, E.C.

AN indoor Assistant, about 22, with Minor qualification, for a good-class general Family business; references must be unexceptionable. Apply, with full particulars of age, height, salary, and previous engagements, to Dunhill & Stiles, Pharmaceutical Chemists, Doncaster.

TRAVELLER.—We have one or two districts at present unrepresented, and shall be pleased to hear from pushing men who are open to take a commission for our dyes and butter-colouring; good terms. E. Crawshaw & Co., 80 Fann Street, Aldersgate Street, London, E.C.

MANAGER, for a Small Wholesale Business; must be thoroughly competent, reliable, and able to attend to every detail of the business; security required; state age, experience, and salary required. 108/14, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

ITALY.—Immediately, a qualified Assistant, capable of managing Drug Department of General Stores; good salary and permanent engagement to suitable man; some knowledge of French necessary. "Continental," Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

AN old-established Packet and Blended Tea House have a vacancy for a Representative with an established connection; suitable for a gentleman desirous of an additional agency to that which he at present holds. Apply, National Tea Company, 15 Bishopsgate Avenue, Camomile Street, London, E.C.

SITUATIONS OPEN—Cont.

MANAGER wanted; 2 furnished rooms, salary and commission; small Retail business. Apply, 311 Ladbroke Grove.

ST. LEONARDS.—Good qualified Junior: accustomed to first-class business. Apply, with carte and usual particulars, Jameson & Curtis, Hastings.

WANTED, qualified Assistant to manage good-class Dispensing business; aged about 24: must have had thoroughly good experience and be well recommended. R. T. Richardson, 129 Ullet Road, Liverpool.

CHINA.—Wanted, an Assistant, with first-class Dispensing and good all-round experience; aged from 21 to 26 years; 4 years' engagement; passage paid. Address, 60/29, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

ASSISTANT. as Manager of branch shop; one willing to devote himself to extend a growing business; to a suitable man seeking a permanency most liberal and progressive terms will be offered. Apply, Gantlett, Chemist, Marlborough.

WANTED immediately, for select West-end Pharmacy, an Assistant with Minor qualification; one accustomed to first-class Dispensing; age about 23 or 24. Apply, personally, W. B., c/o Mr. Ponting, Messrs. Herrings & Co., 40 Aldersgate Street, E.C.

REQUIRED, by the end of the month, a smart outdoor Junior, of good appearance and address, for a quick Cash business. Apply, by letter, to Messrs. Wright & Co., Broadway, Hammersmith, enclosing photo, and stating experience, age, height, and salary required.

AT once, 2 smart Assistants, one in and one out doors; salary according to experience; must be well up in the Modern and Cash business. Apply, stating fullest particulars, to X., Messrs. Hodgkinson & Co., 101 Whitecross Street, E.C. Also Stock-keeper, well up in Patent Medicines, &c.

WANTED, Assistant, about 23, able to take charge for a few hours occasionally; outdoors, but dinner and tea provided. Apply, stating age, height, references, salary required, and enclose photo (which will be returned), to Geo. M. Slegg, Dispensing and Photographic Chemist, 44 Robson Street, Liverpool.

ASSISTANT wanted early in February, for Drug Department of a Mixed business, at Plympton; must be competent and reliable, good Prescriber and Dispenser; gentlemanly and pushing Counterman; married or single; in or out. Apply, stating salary and every particular, to Chas. B. Shuker, Launceston.

WANTED a smart, energetic young man; good address; single; aged about 26 to 35 years; Minor qualification, with good references, to take entire charge of good-class Pharmacy in Manchester suburb. Apply, enclosing photo, and state age, experience, and salary (indoors), to H. Richardson, "Lyndene," Hale Road, Bowdon, Cheshire.

WANTED, active Junior, outdoors, about 20, for pushing Retail business; must be quick and reliable, and a good Counterman; one accustomed to the sale of Photographic requisites preferred. Apply, stating age, height, experience, reference, and salary required, enclosing photo, to J. & J. Thompson & Co., Limited, 192 Manchester Street, Oldham.

SITUATIONS WANTED.

1s. for 12 words; 6d. for every 6 words beyond.

JUNIOR; time for study; provincial town preferred. A., The Grange, Thatcham, Berks.

QUALIFIED Assistant has three evenings a week at liberty. Holmes, 2 Colville Square, W.

ASSISTANT (22½) requires situation in or near Sydenham. Williams, 452 Edgware Road, W.

PART-TIME or Assistancy with short hours; aged 23. "Meirion," 48 Barnsbury Street, N.

JUNIOR; 23; 4 years' experience; disengaged 21st. "Gentian," 40 King Street, Plymouth.

LOCUM or Manager; qualified; aged 37; abstainer. "Chemicus," 112 Foxberry Road, Brockley.

ASSISTANT; 23; unqualified; 6 years' experience. I. Turton, 46 Sharrow Street, Sheffield.

LOCUM or Manager; highest references; disengaged. "Minor," 99 Greenwood Road, Dalston.

YOUTH (18) wishes situation as Improver; 3½ years' experience. John Scott, Thistle Street, Kirkcaldy.

LOCUM or Manager by an M.P.S.; West-end experience. P. S., 50 Rylett Road, Shepherd's Bush, W.

QUALIFIED; 23; tall; obliging; abstainer; highest references. H., 110 King's Road, Southsea.

ASSISTANT; 22; unqualified; 7 years' experience. "Chemicus," 8 Regent Road, Hanley, Staffs.

WHOLESALE or Export; experienced, Wet or Dry. Forbes, The Village, Tarland, Aberdeenshire.

AS Junior; aged 20; highest references; 4 years' experience. "Radix," 8 Liscard Road, Liscard, Cheshire.

ASSISTANT or Junior; aged 23; 7½ years' good experience. E., 27 Castle Street East, Banbury.

DISPENSER to Surgeon or Chemist; London preferred; references. Jewell, Exeter Place, Cheltenham.

COUNTERMAN or Dispenser; 10 years' experience, London. "Statim," 37 Vassall Road, Brixton.

JUNIOR; indoors; London preferred; 4 years' experience. J. T, Howden, White House, Mount, York.

ASSISTANT; 23; good experience; disengaged; London preferred. "Metham," 25 Southgate, Chichester.

ASSISTANT, aged 23, qualified, best experience, wants situation. Apply, Charnock, 33 Lune Street, Preston.

JUNIOR; good experience; excellent references; disengaged. "Chemist," 96 Bedford Road, Bootle, Liverpool.

JUNIOR; 22; abstainer; time for study. 109/11, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

WHOLESALE.—Forwarding Clerk seeks engagement; highest references. "Salol," 13B Dufferin Street, E.C.

PART-TIME Friday and Saturday evenings only; disengaged; stock or counter. "Antipyrine," 75 Fetter Lane, E.C.

JUNIOR; 22; unqualified; high-class West-end experience; abstainer; London preferred. "Creta," 42 Cannon Street, E.C.

MANAGER; qualified; good experience; highest testimonials. A. E. Farrow, 187 Markhouse Road, Walthamstow.

LONDON; unqualified; 6 years' good experience, 2 years' London; height 5 ft. 10½ in. E. H. Slater, 130 Camden Road.

JUNIOR or Dispenser to Surgeon; 21; tall; good references. "Barium," Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

ASSISTANT: West-end and seaside experience; good dispenser; aged 24; height 5 ft. 9 in. "Trional," 173 Marylebone Road, N.W.

JUNIOR (21) seeks engagement in London; 5 years' experience in first-class business; good references. Puddon, 24 Cornmarket, Oxford.

IMPROVER; 19; 3 years' good experience in Dispensing; North of England preferred. Apply, 8 Warwick Street, Barrow-in-Furness.

IMMEDIATELY; unqualified; 25; 5 ft. 7 in.; London or country. Z., Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

ELEVE anglais, parlant français, bien courant pharmacie française, cherche place, préférence à Paris. Johnson, 11 Rue Troyon, Paris.

CHEMIST'S Son (24) seeks situation in Wholesale trade; used to Mixed business; reliable; energetic. Z., 6 Soutergate, Ulverston.

AS Manager; qualified; all-round experience; good references; Retail or Wholesale; married; 38. "Quercus," 3 Bradford Terrace, Bolton.

JUNIOR; 4½ years' experience; 20½; good Dispenser; excellent references; photography. "Alpha," 50 Duke Street, Douglas, I.O.M.

MANAGER; 28; Stores or small Business, with view to succession; qualified; West-end experience. "Chemist," 98 Westbourne Park Road, W.

SITUATIONS WANTED—Cont.

EXETER or near; next month; engagement in good business or Branch Manager; qualified. A. B, c/o F. Morgan, Esq., Uffculme, Cullompton.

PART-TIME; disengaged 6 P.M. every evening, or one, two, or three evenings a week; Stock or Counter. "Chemist," 82 Crowndale Road, N.W.

JUNIOR; Chemist's son; 19; height 5 ft. 9 in.; 4 years' experience. Apply, 107/3, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

MANAGER; qualified, registered Dentist; married; 36; first-class references. 1/95, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

MANAGER of Branch, where advertiser could have an interest in the business, or future possession; aged 30; single. "Alpha," Foxley, Malmesbury.

MANAGER, country branch; experienced Extractor; moderate salary; outdoors; aged 37; disengaged. "Chemist," 112 High Street, Fulham.

EARLY February; Manager; 30; qualified; experienced; country preferred. "Chemicus," Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

AS Assistant or Dispenser to Surgeon; outdoors; Stop and Extract Teeth; accustomed to the sale of proprietary articles. Marshall, 6 Ramsay Street, Chelsea.

MINOR; 25; position in Wholesale Laboratory; Liverpool or Manchester preferred. "Scientia," Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

ADVERTISER desires engagement; 7 years in last berth; Prescriber; 28; could invest £200; reading for Major. "Chemist," 35 Gayton Road, Hampstead."

MANAGER or Hospital Dispenser; 28; experienced; accustomed to good business; Major. "Butane," Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

JUNIOR Assistant requires situation in Manchester; aged 22; 7 years' experience; good references. Address, 38/39, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

MANAGER or Dispenser; qualified; first-class store experience; aged 31; height 5 feet 9½ inches. J. W., Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

MANAGER or Dispenser; 25; Minor; Lancashire or Yorkshire; varied experience; good references "Integritas," Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

WHOLESALE, Wet Counter, Town Traveller, or position of trust; Wholesale and Retail experience; highest references. 93/19, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

TRAVELLER, Manager, or Partner; 18 years' good all-round experience; trustworthy and pushing; exceptional references. "Alpha," Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

PART-TIME; advanced Minor student; 23; tall; will give evenings in exchange for board and lodgings; exceptional references; town. "Groom," Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

ASSISTANT, French, with good knowledge of English; 5 years' London experience; aged 27; married; able to make Gelatinous Capsules; Wholesale or Retail. A. V., 17 Walter's Road, South Norwood, S.E.

MAJOR.—Situation, preferably, in Wholesale Pharmaceutical Laboratory, or Manager; London or Northern town; 28; wide experience. "Virtus," Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

SENIOR or Manager; qualified; 29; tall; London; outdoors preferred; single; now disengaged; 10 years' London experience; good references. "Oleate," Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

WANTED, situation in Wholesale or Retail Druggist's as Traveller, Salesman, or General Assistant; conversant with Drysaltery and Agricultural Seeds; 25 years' experience. Apply, Messrs. Armison & Co., Solicitors, Penrith.

MANAGER; Major; 44; married; suburban branch; or £100, Wholesale, Drug, and Patents, to acquire small sound business; investigation courted. "Statim," Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

AS Dispenser, thorough, to Surgeons, &c. J. Arnold, 47 Beechcroft Road, Leytonstone.

ASSISTANT or Dispenser; good-class business; 25. Slynn, Wroxeter, Warren Road, Rhyl.

LOCUM-TENENS or branch; qualified; good references. "Chemist," 32 Laurel Grove, Penge.

ASSISTANT; 26; experienced; London or suburb. Crosdale, Mitchell Street, Oldham.

JUNIOR (21) in a good Dispensing business; experience 5 years. "Ipecac.," 25 Amwell Street, E.C.

DISPENSER or in Wholesale Warehouse; experienced; references. H. Weeks, 50 Hanover Street, Pimlico.

TEMPORARY; 30; good-class retail experience; highest references. "Minor," Sea Houses, Chathill.

QUALIFIED Assistant; 23½; tall; disengaged. Llewellyn, 16 Wansey Street, Walworth Road, S.E.

DISENGAGED 17th; quick Dispenser, Extractor; 6 ft.; 24. Widdowson, Rainsbury, Hungerford, Wilts.

JUNIOR; part-time or temporary; 21; 5 years' experience. "Pyro," 77 Rawcliffe Road, Walton, Liverpool.

ASSISTANT; Light Retail; 10 years' experience; unqualified. E G., 22 Hospital Street, Nantwich.

ASSISTANT; 25; unqualified; 8½ years' experience. "Statim," c/o Mr. Jones, Chemist, Winton, Bournemouth.

ASSISTANT; 22; disengaged; outdoors; excellent references. K., 80 Hunter's Road, Handsworth, Birmingham.

EXPERIENCED Junior; tall; good references; disengaged; Midlands preferred. O., 1 Frank Place, North Shields.

IMPROVER; aged 20; good Dispenser; Dispensing business preferred. Apply, Prince, 69 Ripon Street, Lincoln.

PART-TIME, immediately; Apothecaries' Hall certificate; London experience. L., 133 London Road, Ipswich.

PART-TIME in Edinburgh; aged 21. "Radix," Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

BRANCH Manager; registered; aged 39; disengaged January 28; good references. Address, 164 Lambeth Walk, S.E.

QUALIFIED; 26; 5 feet 11 inches; first-class Dispensing experience; disengaged. W. B. B., 25 Dix's Field, Exeter.

QUALIFIED Minor; aged 23; knowledge of Photography; outdoors preferred. C. Bainbridge, 57 Huntington Road, York.

ASSISTANT; 22; in or out doors; 6 years' experience in first-class trade; good references. Apply, "Rhei," Malvern Wells.

MANAGER or Front Counter; Stores or otherwise; 17 years' experience. "Kino," 10 West Hill Terrace, Mutley, Plymouth.

MANAGER; qualified; 28; with or without view to succession; good experience. C., Meadow View, Hagley, Stourbridge.

REASONABLE salary; qualified Manager or Assistant; married; middle-aged; trustworthy. 36 Wrexham Fechan, Wrexham.

ASSISTANT to Chemist or Surgeon; aged 31; disengaged. 36/63, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

JUNIOR; 21; 5 ft. 9 in.; 4½ years' experience; good references; Manchester or district preferred. Davies, Fieldsend, Chemist, Penistone.

ASSISTANT; 23; disengaged; London and provincial experience; unqualified. "Statim," Adlands House, Levenshulme, Manchester.

LABORATORY; experienced in Pill-coating, Distilling, and Standardising, &c. E. Balmer, 138 Angorona Terrace, Ashton-under-Lyne.

ASSISTANT; 23; 8 years' experience, 4 years in Wholesale; good references; Wholesale preferred. Murray, 86 High Street, Leicester.

SITUATIONS WANTED—Cont.

PART-TIME; good experience; country. Williams, 30 Earl Street, Cambridge.

PILL-MAKER; good Coater; 5 years' experience. L., 66 Upper Berkeley Street, W.

QUALIFIED; 22; town and provincial experience. Owen, P.O., Church Road, Willesden, N.W.

JUNIOR; 21; 5 ft. 10 in.; good experience; Extractor. Courtenay, c/o Webb, Chemist, Buckingham.

QUALIFIED Assistant; 24; good experience and references; outdoors. R., 13 Brunswick Square, W.C.

LADY Dispenser will give one year's services in return for home. "Bromal," Avenue House, Quay, Cambridge.

PART-TIME; qualified; 24; West End experience; good Dispenser. "Alpha," 167 Kennington Road, Kennington.

JUNIOR; 9 years; time for study; outdoors; 2 years' cash experience. "Student," 23 Crewdson Road, Brixton.

TRAVELLER (experienced) seeks re-engagement; North; Drugs or allied trades. 112/10, Commercial Hotel, Scarborough.

LOCUM-TENENS; disengaged; qualified and experienced. A., Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

JUNIOR; 20; excellent dispensing experience; Harrogate; outdoors preferred. "Acer," Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

DISPENSER; middle-aged; qualified; to Dispensary, Doctor, or Manage a Branch Retail. "Sarnia," 20 Courtnell Street, Bayswater, W.

MANAGER or Senior Assistant; Minor; aged 30; experienced in a good-class Retail and Dispensing business. "Analyst," 96 Argyle Street, Hull.

ASSISTANT (22) requires situation; Wholesale or Retail; 6 years in drugs. 111/29, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

ASSISTANT; 23; tall; good Counterman and Dispenser; accustomed to quick, good-class trade. Denton, Oak Bank Avenue, Chorlton-cum-Hardy.

JUNIOR, in good-class business; country preferred; 5 ft. 8 in.; aged 19½; 6 years' experience; disengaged; good references. Kerruish, Cornhill, Ipswich.

ASSISTANT or Dispenser; 30; quick, accurate; Continental experience; knowledge of French; home or abroad. Richardson, Poste-restante, Geneva.

MANAGER, or Business on easy terms; small capital; qualified; 20 years' experience. A., Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

MANAGER; qualified; registered Dentist; good Prescriber; can undertake Dental Surgery; well up; good appearance. 113 Stoke Newington Road, N.

ASSISTANT Dispenser or part-time; tall; 28; good experience and references. A. B., Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

LOCUM-TENENS or Manager to Branch, &c.; qualified; experienced and reliable; best references; disengaged. "Chemist," Cambridge House, New Cross, London.

IMMEDIATE, as general permanent Assistant; good references; moderate salary; country preferred; abstainer. Collis, 39 Lena Gardens, West Kensington.

TRAVELLER; has thorough knowledge of Wholesale and Manufacturing; 10 years' experience. 109/13, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

OUTDOORS; Senior or Manager; qualified; experienced, energetic; 27; disengaged; good references. 109/23, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

WHOLESALE; has had experience in charge of Warehouse; also practical Laboratory knowledge. "Drugs," Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

TRUSTWORTHY man, Assistant, or Branch Manager; unqualified; 25; tall; abstainer; 10 years' experience; good references; moderate. "Energy," 28 James Street, Lozells, Birmingham.

ASSISTANT; good all-round experience of 12 years; height 5 ft. 7 in.; Lancashire preferred; permanency; salary moderate. Address, 100/37, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

ASSISTANT; 29; good experience in Dispensing, Prescribing, and Tooth-extracting; quick counterman; tall; Hall qualification. 110/1, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

WHOLESALE situation in office by experienced Clerk; Invoicing, Ledgers, Correspondence; town or country; moderate salary. Apply, P. T., Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

ASSISTANT or Manager; qualified, tall, good appearance; Wholesale and Retail experience, also Post Office and Stationery; good Counterman, Dispenser, Prescriber, and Extractor; outdoors, in Birmingham preferred. F., 161 Monument Road, Birmingham.

ADVERTISER seeks appointment (out of Retail preferred) where there would be scope for advancement; aged 27; height 6 feet; good appearance and address; most exceptional references; high-class experience as Manager; also Laboratory work; security if required. "Analyst," 23 High Road, Kilburn.

TO Wholesale houses and Patent Medicine proprietors wishing to push trade abroad.—Englishman, 30, smart business man, 10 years' Continental Drug trade, speaking French, German, Italian, requires situation, Paris, or Continental Traveller or Agent; excellent references. Hardy, 4 Rue de la Fidelité, Paris.

MISCELLANEOUS.

Special charges are made for Advertisements under this heading, which can be obtained on application.

CHEMIST FITTINGS.—Four excellent ranges of Chemist Drawers, with solid mahogany fronts, crystal cut knobs, and bevelled-edge labels; also Mahogany-fronted Shelving and Panelled Lockers to suit same; 6 Spanish Mahogany Dispensing-screens; a large variety of mahogany and plate-glass fronted Counters; Bent-glass Counter-cases, Wall-cases, Sponge-cases, Desks, Window-enclosures, and everything appertaining to the trade. We have also the complete fittings for 3 shops, made of the best mahogany, highly french-polished, and all the latest designs; experienced Fitters sent to all parts of the country; write for references. Edwards & Co., Medical Fitters, Whitechapel, Liverpool.

CHEMISTS' SHOP FITTINGS.—Second-hand, but in first-class condition, 14 ft. 6 in. run of mahogany-fronted drawers, with mahogany pilasters, shelving, and cornice over, price £18 10*s.*; 12-ft. mahogany-fronted counter, with desk and case, £12 10*s.*; dispensing counter to match, with screen on top, 6 ft. long, £7; glass wall-case, 10 ft. long, 9 ft. high, £14 10*s.*; counter-case, bent plate-glass, 6 ft. long, £5; also a large quantity of other fittings, mirrors, shop-rounds, pink ointment-jars, &c.; great bargains; at Philip Josephs', 54 Old Street, City Road, London, E.C.

PRELIMINARY AND MINOR.

STUDENTS! Write to-day for a "Guide to Examination," gratis and post free, giving the best advice how to prepare. Knotty points in Latin Grammar, 1*s.* 6*d.*; Cæsar Simplified, 1*s.*; Metric System Simplified, 1*s.*; How to Write an Essay, 3*d.*; Equations Simplified, 1*s.*; Notes on Dispensing, 1*s.*, post free. Mr. J. Tully (Hills Prizeman), Chemist, Hastings.

DEFECTIVE CAPSULES.

A. LE MAOUT, French Chemist, manufacturer of capsules (established 1856), 2 Rupert Street, London, ascertaining the general deficiency of manufactured capsules, offers to show how to make them according to the perfectioned method used by him in his factory.

WANTED.—(1) Whole-plate or larger Camera and not less than 3 double dark-slides; with or without lens and stand; state maker.
(2) Lawrence's 10*s* 6*d.* Spectacles; convex; numbers from 10 to 15.
(3) A good Analytical Microscope.
The following are offered in exchange, or in any part exchange, for the above:—(*a*) Half-plate Eastman's Enlarging Lantern, complete; cost over £10; in thorough order.
(*b*) Lawrence's 10*s.* 6*d.* Spectacles; convex; from 20 to 48; any pair, or the lot.
(*c*) A splendid cut-glass Gas-chandelier, in perfect order; about £3 has just been spent in putting into new order.
(*d*) Two show-cases; mahogany; sloping fronts.
(*e*) A framed enlargement of Low Gardens Bridge, Lowther Park, Penrith; enlargement 60 × 30; massive oak frame 80 × 50; a splendid photographic advertisement, which will repay itself in a very short time.
Any of the above on view, Cowper, 50 King Street, Penrith.

"THE CHEMIST & DRUGGIST"

For JANUARY 12, 1895.

☛ **PLEASE NOTE** that the following Summary of the Contents of this issue deals only with the more important subjects, and it does not enter into details at all. Although we often hear from subscribers that they have made money from a paragraph or formula, and quite believe it, we know that it is by reading THE CHEMIST AND DRUGGIST week by week that those in the trade are best able to appreciate its value. Those who are well up in the scientific side of pharmacy will always find something new in it, or which will interest them; smart business men will find all the latest novelties in it, excellent trade reports, and the advertisements of the best houses in the trade; plodding men will see in it much to assist them in their business; and even the busy men, who think they have no time to read a trade journal, should after a few weeks of THE CHEMIST AND DRUGGIST find that they cannot do without it—it will entertain them so well. The subscription is only half-a-sovereign and for that subscribers get 52 weekly numbers and THE CHEMISTS' AND DRUGGISTS' DIARY post free.

SUMMARY OF CONTENTS.

A HAWICK druggist died this week from an abdominal injury caused on the curling-pond (p. 36).

WE print the questions given at the Pharmacutical Preliminary examination in Great Britain this week (p. 39).

WE print a further instalment of recipes for counter practice, most of them referring to complaints that are common just now (p. 45).

THE names of those who passed the Major examination in London this month, and of those who passed the Major and Minor in Edinburgh, are given on p. 38 and 39.

DR. DUFFEY has reported most favourably to the Lord Lieutenant on the Irish Pharmaceutical examinations. This matter was the principal subject at the Council-meeting, reported on p. 40.

A YORK chemist has been proceeded against for selling tr. rhei weak in spirit. Part of the defence was that a chemist is at liberty to improve upon B.P. methods, and the Magistrates dismissed the case (p. 42).

OUR Paris correspondent reports a trial for an omission of musk from a prescription. The pharmacien's defence was that his assistant made it up, so he was not liable. But the Judge held that the law was to the contrary, and imposed a fine of 500f. (p. 47).

THE Pharmaceutical Council have elected Mr. William Warren (an ex-councillor), of London, to succeed Mr. A. C. Abraham, of Liverpool. The business at the meeting was of a routine nature chiefly, but it was decided to draft another Pharmacy Bill, and the President outlined what it may contain (pp. 37–38).

WE report two vinegar-prosecutions. In Glasgow, a grocer was summoned for selling a malt vinegar which, the prosecution alleged, contained only 5 per cent of malt vinegar; but the defence succeeded in proving that it was a distilled malt vinegar, coloured. In Nottingham a grocer was fined for making a false description (p. 41).

A CANCER-DOCTOR at Waterford has had to pay a patient for unskilful treatment (p. 36).

MESSRS. JAMES WOOLLEY, SONS & CO., of Manchester, have registered their business as a limited company (p. 46).

THE foreign trade of this country was not particularly bright in 1894, as may be seen by reading the article on p. 39.

WE give abstracts of some of the papers read in the Pharmacological Section of the Indian Medical Congress (p. 44).

NEW proposals in regard to the sale of ipecacuanha were discussed at the drug-auctions on Wednesday, and are commented upon on p. 40.

WE are compelled to hold over several letters on the widows' clause and other subjects, but we print a budget of replies to correspondents (p. 61).

IN an Editorial note we deal with proposals which have lately been made to add to the British Pharmacopœia formulæ for medicines in common use and not yet official (p. 38).

A CHEMIST'S manager at Streatham has to pay damages for assaulting a lady-tenant (p. 42), and a chemist formerly in business at Bournemouth is fined 1*l.* and bound over for assaulting his wife (p. 35).

GINGER in the root has been found to have been partially exhausted, and a tea company at Burslem have been fined for selling the article. Previous prosecutions in regard to ginger have dealt with the powder only (p. 43).

DR. HARVEY ATTFIELD has communicated a paper to the Society of Chemical Industry on a natural sodium-sulphate lake in Wyoming. He traced the origin of the sulphate, and showed that the lake was not a good investment for the syndicate by whom he was employed (p. 46).

Offices: 42 CANNON STREET, LONDON, E.C.

Post Office Chambers, 231 Elizabeth Street, Melbourne, Victoria; and Empire Chambers, Sydney, N.S.W.

Printed by SPOTTISWOODE & CO., New-street Square; and Published at the Office, 42 Cannon Street, in the City of London.—*January* 12, 1895.